

21

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QY 121 TGAAGAAGTAAACCGGCTCCAGACCCAGCGGCGCCAGTTCCTCGGCGGAGAGAAACC 180
DB 121 TGAAGAAGTAAACCGGCTCCAGACCCAGCGGCGCCAGTTCCTCGGCGGAGAGAAACC 180
QY 181 GCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
DB 181 GCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
QY 241 TCGTTTGGGCTTCAAAAAATGCTGATGGAAGTTAAGCGTGAATTTGGGGTCTCTCCG 300
DB 241 TCGTTTGGGCTTCAAAAAATGCTGATGGAAGTTAAGCGTGAATTTGGGGTCTCTCCG 300
QY 301 TGAATGAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 360
DB 301 TGAATGAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 360
QY 361 AAGGAGATGTAACATATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
DB 361 AAGGAGATGTAACATATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
QY 421 CATTAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 480
DB 421 CATTAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 480
QY 481 TCTGTAACTGGAATATTAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
DB 481 TCTGTAACTGGAATATTAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
QY 541 ATAGAACCTTGTAAACGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
DB 541 ATAGAACCTTGTAAACGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
QY 601 GAAAGAAATCTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 660
DB 601 GAAAGAAATCTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 660
QY 661 TTAGAATTCGAGCAATGAGATTTTTCGCGGCGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
DB 661 TTAGAATTCGAGCAATGAGATTTTTCGCGGCGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
QY 721 TAATTAGACATTTCTATGATATTTGACATCTTGGCAAGCAAGCAAGCAAGCAAGCAAG 780
DB 721 TAATTAGACATTTCTATGATATTTGACATCTTGGCAAGCAAGCAAGCAAGCAAGCAAG 780
QY 781 CAATCTCTATGAGAAATATGATGTTATGTAATGTAATGTAATGTAATGTAATGTAATG 835
DB 781 CAATCTCTATGAGAAATATGATGTTATGTAATGTAATGTAATGTAATGTAATGTAATG 835

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RESULT 2
US-10-373-556-6

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; Sequence 6, Application US/10373556
; Publication No. US20030224402A1
; GENERAL INFORMATION:
; APPLICANT: Paul B. Fisher
; APPLICANT: Dong-chul Kang
; APPLICANT: Zao-zhong Su
; TITLE OF INVENTION: PROGRESSION SUPPRESSED GENE 13 (Psgen13)
; FILE REFERENCE: A34586-A-PCT-USA (070050,2305)
; CURRENT APPLICATION NUMBER: US/10/373,556
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: PCT/US01/26795
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 09/648,310
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 835
; TYPE: DNA
; ORGANISM: homo sapiens
; US-10-373-556-6

```

Query Match 100.0%; Score 835; DB 13; Length 835;
Best Local Similarity 100.0%; Pred. No. 1,3e-196;
Matches 835; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 GGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 60
DB 1 GGCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 60
QY 61 CAGCGCTCTTCTCTTGGCTCAGACCACTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCT 120
DB 61 CAGCGCTCTTCTCTTGGCTCAGACCACTTCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCT 120
QY 121 TGAAGAAGTAAACCGGCTCCAGACCCAGCGGCGCCAGTTCCTCGGCGGAGAGAAACC 180
DB 121 TGAAGAAGTAAACCGGCTCCAGACCCAGCGGCGCCAGTTCCTCGGCGGAGAGAAACC 180
QY 181 GCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
DB 181 GCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 240
QY 241 TCGTTTGGGCTTCAAAAAATGCTGATGGAAGTTAAGCGTGAATTTGGGGTCTCTCCG 300
DB 241 TCGTTTGGGCTTCAAAAAATGCTGATGGAAGTTAAGCGTGAATTTGGGGTCTCTCCG 300
QY 301 TGAATGAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 360
DB 301 TGAATGAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 360
QY 361 AAGGAGATGTAACATATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
DB 361 AAGGAGATGTAACATATCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 420
QY 421 CATTAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 480
DB 421 CATTAATATGTCGCAACCTTTTGAAGATGTCGTGAAGTCTTAAAGCTGCAAAAG 480
QY 481 TCTGTAACTGGAATATTAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
DB 481 TCTGTAACTGGAATATTAAGTGAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 540
QY 541 ATAGAACCTTGTAAACGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
DB 541 ATAGAACCTTGTAAACGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 600
QY 601 GAAAGAAATCTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 660
DB 601 GAAAGAAATCTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 660
QY 661 TTAGAATTCGAGCAATGAGATTTTTCGCGGCGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
DB 661 TTAGAATTCGAGCAATGAGATTTTTCGCGGCGAGAGAGAGAGAGAGAGAGAGAGAGAG 720
QY 721 TAATTAGACATTTCTATGATATTTGACATCTTGGCAAGCAAGCAAGCAAGCAAGCAAG 780
DB 721 TAATTAGACATTTCTATGATATTTGACATCTTGGCAAGCAAGCAAGCAAGCAAGCAAG 780
QY 781 CAATCTCTATGAGAAATATGATGTTATGTAATGTAATGTAATGTAATGTAATGTAATG 835
DB 781 CAATCTCTATGAGAAATATGATGTTATGTAATGTAATGTAATGTAATGTAATGTAATG 835

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RESULT 3

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US-10-342-887-156
; Sequence 156, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yundong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van't Veer, Laura Johanna

```

APPLICANT: Van de Vijver, Marc J.
 APPLICANT: Bernards, Rene
 TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
 FILE REFERENCE: 9301-188-999
 CURRENT APPLICATION NUMBER: US/10/342,887
 CURRENT FILING DATE: 2003-01-15
 PRIOR APPLICATION NUMBER: 60/298,918
 PRIOR FILING DATE: 2001-06-18
 PRIOR APPLICATION NUMBER: 60/380,710
 PRIOR FILING DATE: 2002-05-14
 PRIOR APPLICATION NUMBER: 10/172,118
 PRIOR FILING DATE: 2002-06-14
 NUMBER OF SEQ ID NOS: 2699
 SEQ ID NO 156
 LENGTH: 876
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-342-887-156

Query Match 91.3%; Score 762.6; DB 13; Length 876;
 Best Local Similarity 99.5%; Pred. No. 1.2e-178;
 Matches 765; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

67 TCTTCTCTTTCCTCAGCCACTTCCTTCCTTCGCTCAACCTCCAGTGCATGAAGA 126
 6 TTTTCTTTTTCCTCAGCCACTTCCTTCCTTCGCTCAACCTCCAGTGCATGAAGA 65
 127 AGGTACCGGGTCCAGACCCAGCGCGCGCACTTCCTCCGGGGGAGAGAAACCGCGCAG 186
 66 AGGTACCGGGTCCAGACCCAGCGCGCGCACTTCCTCCGGGGGAGAGAAACCGCGCAG 125
 187 AGAGCAGCAATGAATGTGATCAGAGATTAACTCTTAGTGAAGAAATTCATCGTTT 246
 126 AGAGCAGCAATGAATGTGATCAGAGATTAACTCTTAGTGAAGAAATTCATCGTTT 185
 247 GGGTTCAAAATAATGTGATGAATAATTAAGCTGAATTTGGGGTCTCTTCCTGATGA 306
 186 GGGTTCAAAATAATGTGATGAATAATTAAGCTGAATTTGGGGTCTCTTCCTGATGA 245
 307 TAAATGTCCAACTCTTTGAAGCACTTGTGAGAACTCTTAAAGCTGCAAAACGAGAA 366
 246 TAAATGTCCAACTCTTTGAAGCACTTGTGAGAACTCTTAAAGCTGCAAAACGAGAA 305
 367 GATTGTAAATATCCAGAGAGCTGCTCTGCAAGTGTTCATGATGATGATCATTTAT 426
 306 GATTGTAAATATCCAGAGAGCTGCTCTGCAAGTGTTCATGATGATGATGATCATTTAT 365
 427 ATTACTGCAAGTATTAATGTGATTAATCTTTATGATGATGATGATGATGATGATGAT 486
 366 ATTACTGCAAGTATTAATGTGATTAATCTTTATGATGATGATGATGATGATGATGAT 425
 487 AAATCGAATATTAAGTGAAGAAACAACTTTGAACATCTTAATGATATTTATAGAA 546
 426 AAATCGAATATTAAGTGAAGAAACAACTTTGAACATCTTAATGATATTTATAGAA 485
 547 CTTTGTAAACGAAAGGAGATTCATGTTTACAGTCTGCTCTTTTATATCTTGAAGA 606
 486 CTTTGTAAACGAAAGGAGATTCATGTTTACAGTCTGCTCTTTTATATCTTGAAGA 545
 607 AAATCTATGATGATGATTAATTAATTAATCTTATTTTCTCAGGATCGTGTGAAGA 666
 546 AAATCTATGATGATGATTAATTAATTAATCTTATTTTCTCAGGATCGTGTGAAGA 605
 667 ATTGCAAGCAATGAGATTTTGGGGGCGAGGATGGGATGTTTGTTCATTAATTAATTA 726
 606 ATTGCAAGCAATGAGATTTTGGGGGCGAGGATGGGATGTTTGTTCATTAATTAATTA 665
 727 GACATTTTCTATAGATATTTGACATTTCTGCAAAAGCAACAGCAACCTGAGACCAATC 786
 666 GACATTTTCTATAGATATTTGACATTTCTGCAAAAGCAACAGCAACCTGAGACCAATC 725
 787 CTATGAGAAATATTAATGATGTTTATGTAATAAGACATGTAATCTGCTT 835

Db 726 CTATGAGAAATATTAATGATGTTTATGTAATAAGACATGTAATCTGCTT 774

RESULT 4
 US-10-172-118-156
 Sequence 156; Application US/10172118
 Publication No. US20030224374A1
 GENERAL INFORMATION:
 APPLICANT: Dai, Hongyue
 APPLICANT: He, Yudong
 APPLICANT: Linsley, Peter
 APPLICANT: Mac, Mac
 APPLICANT: Roberts, Chris
 APPLICANT: Van de Vijver, Marc
 APPLICANT: Bernards, Rene
 TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
 FILE REFERENCE: 9301-175-999
 CURRENT APPLICATION NUMBER: US/10/172,118
 CURRENT FILING DATE: 2002-06-14
 PRIOR APPLICATION NUMBER: 60/380,770
 PRIOR FILING DATE: 2002-05-14
 NUMBER OF SEQ ID NOS: 2699
 SEQ ID NO 156
 LENGTH: 876
 TYPE: DNA
 ORGANISM: Homo sapiens
 PUBLICATION INFORMATION:
 DATABASE ACCESSION NUMBER: AF116682
 DATABASE ENTRY DATE: 2001-06-18
 US-10-172-118-156

Query Match 91.3%; Score 762.6; DB 13; Length 876;
 Best Local Similarity 99.5%; Pred. No. 1.2e-178;
 Matches 765; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

67 TCTTCTCTTTCCTCAGCCACTTCCTTCCTTCGCTCAACCTCCAGTGCATGAAGA 126
 6 TTTTCTTTTTCCTCAGCCACTTCCTTCCTTCGCTCAACCTCCAGTGCATGAAGA 65
 127 AGGTACCGGGTCCAGACCCAGCGCGCGCACTTCCTCCGGGGGAGAGAAACCGCGCAG 186
 66 AGGTACCGGGTCCAGACCCAGCGCGCGCACTTCCTCCGGGGGAGAGAAACCGCGCAG 125
 187 AGAGCAGCAATGAATGTGATCAGAGATTAACTCTTAGTGAAGAAATTCATCGTTT 246
 126 AGAGCAGCAATGAATGTGATCAGAGATTAACTCTTAGTGAAGAAATTCATCGTTT 185
 247 GGGTTCAAAATAATGTGATGAATAATTAAGCTGAATTTGGGGTCTCTTCCTGATGA 306
 186 GGGTTCAAAATAATGTGATGAATAATTAAGCTGAATTTGGGGTCTCTTCCTGATGA 245
 307 TAAATGTCCAACTCTTTGAAGCACTTGTGAGAACTCTTAAAGCTGCAAAACGAGAA 366
 246 TAAATGTCCAACTCTTTGAAGCACTTGTGAGAACTCTTAAAGCTGCAAAACGAGAA 305
 367 GATTGTAAATATCCAGAGAGCTGCTCTGCAAGTGTTCATGATGATGATGATGATGAT 426
 306 GATTGTAAATATCCAGAGAGCTGCTCTGCAAGTGTTCATGATGATGATGATGATGAT 365
 427 ATTACTGCAAGTATTAATGTGATTAATCTTTATGATGATGATGATGATGATGATGAT 486
 366 ATTACTGCAAGTATTAATGTGATTAATCTTTATGATGATGATGATGATGATGATGAT 425
 487 AAATCGAATATTAAGTGAAGAAACAACTTTGAACATCTTAATGATATTTATAGAA 546
 426 AAATCGAATATTAAGTGAAGAAACAACTTTGAACATCTTAATGATATTTATAGAA 485
 547 CTTTGTAAACGAAAGGAGATTCATGTTTACAGTCTGCTCTTTTATATCTTGAAGA 606
 486 CTTTGTAAACGAAAGGAGATTCATGTTTACAGTCTGCTCTTTTATATCTTGAAGA 545
 607 AAATCTATGATGATGATTAATTAATTAATCTTATTTTCTCAGGATCGTGTGAAGA 666

Db	546	AAATCATATGATGATGCTCTATAAAATTAATCCATATTATTTTCTCAGGAACTGGTATGGA	605
Qy	667	ATTGCAAGGCATATGAGATTTTTCGCGGGCAGGAGATGGCAATGTTGTCATATAATTA	726
Db	606	ATTGCAAGGCATATGAGATTTTTCGCGGGCAGGAGATGGCAATGTTGTCATATAATTA	665
Qy	727	GACATTTTCTATAGATATTTGACATTTCTGCGAAGCAACAAGCAACTGAAGCAACATC	786
Db	666	GACATTTTCTATAGATATTTGACATTTCTGCGAAGCAACAAGCAACTGAAGCAACATC	725
Qy	787	CTAATGGAATATATATGATGTTATATGATAATAAGCATGTAAGTGTCTT	835
Db	726	CTATGAGAAATATATATGATGTTATATGATAATAAGCATGTAAGTGTCTT	774

RESULT 5

US-10-641-643-79
; Sequence 79, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks Benjamin G

Jeffrey J. Selkhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
GENE EXPRESSION

COMPUTER READABLE FORM:

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;
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:

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INFORMATION FOR SEQ ID NO: 79:

SEQUENCE DESCRIPTION:	SEQ ID NO:	79
US-10-641-643-79		

Query Match	89.5%;	Score 747;	DB 17;	Length 786;
Best Local Similarity	99.0%;	Pred. No. 8.5e-175;		
Matches 773;	Concurrence 0;	Mismatches 5;	Indels 3;	Gaps 2

QY 58 CCACAGCCGCTTTCCTTTGCCTCAGCCACTTCCTTCCTTGCCCTACCCCTCCCAGTG 117
|||||
Db 1 CCACAGCCGCTTTCCTTTGCCTCAGCCACTTCCTTCCTTCGGCCCTACCCCTCCCAGTG 60

Qy	118	CAGTGAAGAAGGTAACTCCGGTCTCAGACCCACGCGCCCAAGTTCTCCGGCGGGAAAGAAA	179
Db	61	CAGTGAAGAAGGTAACTCCGGTCTCAGACCCACGCGCCCAAGTTCTCCGGCGGGAAAGAAA	120
Qy	178	ACCGCCGAGAGGCGAGCATGATATGTGATTCACGAGGTTAACTCTTAATGGAAGAAAT	237
Db	121	ACCGCCGAGAGGCGAGCATGATATGTGATTCACGAGGTTAACTCTTAATGGAAGAAAT	180
Qy	238	TCATCGTTGGGTTCAAAAAATGCTGATGAGAAATTTAGC - GTGAATTTGGGGTCTC	295
Db	181	TCATCGTTGGGTTCAAAAAATGCTGATGAGAAATTTAGC - GTGAATTTGGGGTCTC	240
Qy	296	TTCCGATGATTAATGTGCCAAGCTCTTTGAAGCATTTGGTGAAGAACTTAAGCTGC	354
Db	241	TTCCGATGATTAATGTGCCAAGCTCTTTGAAGCATTTGGTGAAGAACTTAAGCTGC	300
Qy	355	AAAAAGAGAGATTTGTACATATCCAGAGAGCTGTTCTCGAAGGTTTCAATGTA	414
Db	301	AAAAAGAGAGATTTGTACATATCCAGAGAGCTGTTCTCGAAGGTTTCAATGTA	360
Qy	415	TGTTGACATTAATTAATCTGCAAGATTAAATGTGGTTTACATATCTTAATGTACTGCCATT	474
Db	361	TGTTGACATTAATTAATCTGCAAGATTAAATGTGGTTTACATATCTTAATGTACTGCCATT	420
Qy	475	TTTGTTTCTGTAAGTGAATATAAAGTGAAGAAACAACATTTGAACACTTAATGT	534
Db	421	TTTGTTTCTGTAAGTGAATATAAAGTGAAGAAACAACATTTGAACACTTAATGT	480
Qy	535	ATTTTATAGAACTTTGTAACGAAAGAGATTCAATGTTTAAAGTCTGCTCTTTTAA	594
Db	481	ATTTTATAGAACTTTGTAACGAAAGAGATTCAATGTTTAAAGTCTGCTCTTTTAA	540
Qy	595	TATCTTGAAGAAATCTATGTATATGCTATAAATTAATCCATTAATTTTCTCAGGA	654
Db	541	TATCTTGAAGAAATCTATGTATATGCTATAAATTAATCCATTAATTTTCTCAGGA	600
Qy	655	ATCTGTTAGAAATTCAGGCAATGAGATTTTTCGGGCGCAGGGATGGGAATGTTGTT	714
Db	601	ATCTGTTAGAAATTCAGGCAATGAGATTTTTCGGGCGCAGGGATGGGAATGTTGTT	660
Qy	715	CATTAATTAATTAAGCAATTTCTATAGATTTGACATTTCTCGAAGAACCAAGCAAACT	774
Db	661	CATTAATTAATTAAGCAATTTCTATAGATTTGACATTTCTCGAAGAACCAAGCAAACT	720
Qy	775	GAAGACCAATCTCATAGAAATTAATATGATGTTTATGTAATAAGACATGTAATGTCT	834
Db	721	GAAGACCAATCTCATAGAAATTAATATGATGTTTATGTAATAAGACATGTAATGTCT	780
Qy	835	T 835	
Db	781	T 781	

RESULT 6

US-09-925-300-545
; Sequence 545, Application US/09925300
; Patent No. US20020151681A1

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

```

; SOL INTRINSIC: LACCORIN: 70A: 2:
; SEQ ID NO 545
; LENGTH: 778
; TYPE: DNA

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Query Match	65.0%	Score 542.8;	DB 15;	Length 552;
Best Local Similarity	99.6%	Pred. No. 3e-124;		
Matches 544; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0

127 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000

127 AGTTAACCGGGTCCAGACCGCGGCGCAGTTCTCCGCGGGAAGAAAAACGCGCAG 186

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Db      11  AAGTAAGTGGGTCCAGACCCAGCGGGCCAGTTCTCCGCGGGAGAGAAAAACCGCGCAG 70
Qy      187  AGAGGAGCAATGAATGTGATCAAGAGTTAACTCTTATGTGAGAGAAATTCATCGTTT 246
Db      71  AGAGGAGCAATGAATGTGATCAAGAGTTAACTCTTATGTGAGAGAAATTCATCGTTT 130
Qy      247  GGGTTCAAAAAATGTGATGAGAAAGTTAAAGCTGAATTTGGGGTCTCTCCGCGAGTA 306
Db      131  GGGTTCAAAAAATGTGATGAGAAAGTTAAAGCTGAATTTGGGGTCTCTCCGCGAGTA 190
Qy      307  TAAATGTGCCAACCTCTTTGAAGCACTGTGAGAGACTCTTAAAGCTGCAAAAGAGAA 366
Db      191  TAAATGTGCCAACCTCTTTGAAGCACTGTGAGAGACTCTTAAAGCTGCAAAAGAGAA 250
Qy      367  GATTGTAACTATCCAGAGAGCTGTTCTGCAAGGTGTTCAATGATGATGATGACATTAT 426
Db      251  GATTGTAACTATCCAGAGAGCTGTTCTGCAAGGTGTTCAATGATGATGATGACATTAT 310
Qy      427  ATTACTGCAAGATTAAATGTGTTACATACTTTATGATGACATTTTGTCTGCT 486
Db      311  ATTACTGCAAGATTAAATGTGTTACATACTTTATGATGACATTTTGTCTGCT 370
Qy      487  AAATCGAATATTAAGTGAAGAACAAACATTGAACTATGATGATTTTATAGAA 546
Db      371  AAATCGAATATTAAGTGAAGAACAAACATTGAACTATGATGATTTTATAGAA 430
Qy      547  CTTTGTAAAGCAAGAGAGATTGATGTTTATAGAGTGTCTCTTTTATATCT 599
Db      431  CTTTGTAAAGCAAGAGAGATTGATGTTTATAGAGTGTCTCTTTTATATCT 483

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RESULT 11
US-10-242-535A-56189
; Sequence 56189, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; PRIOR FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 56189
; LENGTH: 483
; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-56189

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```

Query Match      56.3%; Score 469.8; DB 16; Length 483;
Best Local Similarity 99.6%; Pred. No. 3.6e-106;
Matches 471; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

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Qy      127  AAGTAACCGGGTCCAGACCCAGCGGGCCAGTTCTCTCCGCGGGAGAGAAAAACCGCGCAG 186
Db      11  AAGTAACCGGGTCCAGACCCAGCGGGCCAGTTCTCTCCGCGGGAGAGAAAAACCGCGCAG 70
Qy      187  AGAGGAGCAATGAATGTGATCAAGAGTTAACTCTTATGTGAGAGAAATTCATCGTTT 246
Db      71  AGAGGAGCAATGAATGTGATCAAGAGTTAACTCTTATGTGAGAGAAATTCATCGTTT 130
Qy      247  GGGTTCAAAAAATGTGATGAGAAAGTTAAAGCTGAATTTGGGGTCTCTCCGCGAGTA 306
Db      131  GGGTTCAAAAAATGTGATGAGAAAGTTAAAGCTGAATTTGGGGTCTCTCCGCGAGTA 190

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Qy      307  TAAATGTGCCAACCTCTTTGAAGCACTGTGAGAGACTCTTAAAGCTGCAAAAGAGAA 366
Db      191  TAAATGTGCCAACCTCTTTGAAGCACTGTGAGAGACTCTTAAAGCTGCAAAAGAGAA 250
Qy      367  GATTGTAACTATCCAGAGAGCTGTTCTGCAAGGTGTTCAATGATGATGATGACATTAT 426
Db      251  GATTGTAACTATCCAGAGAGCTGTTCTGCAAGGTGTTCAATGATGATGATGACATTAT 310
Qy      427  ATTACTGCAAGATTAAATGTGTTACATACTTTATGATGACATTTTGTCTGCT 486
Db      311  ATTACTGCAAGATTAAATGTGTTACATACTTTATGATGACATTTTGTCTGCT 370
Qy      487  AAATCGAATATTAAGTGAAGAACAAACATTGAACTATGATGATTTTATAGAA 546
Db      371  AAATCGAATATTAAGTGAAGAACAAACATTGAACTATGATGATTTTATAGAA 430
Qy      547  CTTTGTAAAGCAAGAGAGATTGATGTTTATAGAGTGTCTCTTTTATATCT 599
Db      431  CTTTGTAAAGCAAGAGAGATTGATGTTTATAGAGTGTCTCTTTTATATCT 483

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RESULT 12
US-09-969-034-750
; Sequence 750, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poornima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunachathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 750
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 405, 447, 472, 485, 497, 513, 534, 537, 541, 543, 563, 572
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-750

```

```

Query Match      53.9%; Score 450.2; DB 12; Length 594;
Best Local Similarity 86.8%; Pred. No. 3e-101;
Matches 488; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

```

```

Qy      6  GAGGCTTGAAGGAGAGAAACATTAATTTCCCTTACCTGCTGCTCTCTCTCAAGGCC 65
Db      8  GGGCTTGAAGGAGAGAAACATTAATTTCCCTTACCTGCTGCTCTCTCTCAAGGCC 67
Qy      66  GTCTTTCTCTTTGCTTGAAGCACTTCTTCTTGCGCTCAACCTCCCAAGTGAAG 125
Db      68  GTCTTTCTCTTTGCTTGAAGCACTTCTTCTTGCGCTCAACCTCCCAAGTGAAG 127
Qy      126  AAGTAACCGGGTCCAGACCCAGCGGGCCAGTTCTCCGCGGGAGAGAAAAACCGCGCA 185
Db      128  AAGTAACCGGGTCCAGACCCAGCGGGCCAGTTCTCCGCGGGAGAGAAAAACCGCGCA 187
Qy      186  GAGAGGAGCAATGAATGTGATCAAGAGTTAACTCTTATGTGAGAGAAATTCATCGTT 245
Db      188  GAGAGGAGCAATGAATGTGATCAAGAGTTAACTCTTATGTGAGAGAAATTCATCGTT 247

```

Qy	246	TGGCTTCAAAAAATGCTGATGAAAATTAAGGCTAAATTGGGGTCTCTCCGCTATG	303
Db	248	TGGCTTCAAAAAATGCTGATGAAAATTAAGGCTAAATTGGGGTCTCTCCGCTATG	307
Qy	306	ATTAATGTGCACCTCTTTGAAGCATGTGTGAGAACTCTTAAAGCTGAAAACGAAGA	365
Db	308	ATTAATGTGCACCTCTTTGAAGCATGTGTGAGAACTCTTAAAGCTGAAAACGAAGA	367
Qy	366	AGATTGTAAATATCCAGAGAGAGCTCTCTGCAAGGTGTCATGATATGTTACATTA	429
Db	368	AGATTGTAAATATCCAGAGAGAGCTCTCTCAAGAGGTGTCATGATATGTTACATTA	427
Qy	426	TATTACTGCAGATTTAATGTGTTTACATATCTTTAATGACTGCAATTTTGTGTTGCG	483
Db	428	TATTACTGCAGATATATATGAGTTTACATATCTTTATGATCCCGGCTCAATTGATGCC	487
Qy	486	TAAACTGGAATATTAAGTAAAAACAACCAATTTGAACATCTTAATGATTTTATAGA	545
Db	488	AATACTGAGCCAGGACACAGGTATNCTAGGATTAACACGCAATNCTNTTNTVNTAAAG	547
Qy	546	ACTTTGTAACGAAGAAGAGATT	567
Db	548	TCCATATTAAACATNAGGGTTT	569

RESULT 13
 US-09-969-034-748
 Sequence 748, Application US/09969034
 Publication No. US200400110668A1
 GENERAL INFORMATION:
 APPLICANT: Burgess, Christopher C.
 APPLICANT: Astle, Jon H.
 APPLICANT: Carroll, Eddie III
 APPLICANT: Catino, Theodore J.
 APPLICANT: Divvedi, Poornima
 APPLICANT: Molino, Gary A.
 APPLICANT: Thiagalingam, Arunthathi
 APPLICANT: Lewis, Marcia E.
 TITLE OF INVENTION: Nucleic Acid Sequences Differentially
 Expressed in Cancer Tissue
 FILE REFERENCE: 1657/1032
 CURRENT APPLICATION NUMBER: US/09/969,034
 CURRENT FILING DATE: 2001-10-02
 PRIOR APPLICATION NUMBER: 60/237,271
 PRIOR FILING DATE: 2000-02-10
 NUMBER OF SEQ. ID NOS: 4494
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 748
 LENGTH: 717
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: 452, 481, 482, 505, 521, 536, 540, 594, 599, 607, 635, 641,
 LOCATION: 643, 657, 664, 673, 681, 695, 700
 OTHER INFORMATION: n = A,T,C or G
 US-09-969-034-748

Query Match	52.3%;	Score 436.8;	DB 12;	Length 717;
Best Local Similarity	97.8%;	Pred. No. 7e-38;		
Matches 453; Conservative	0;	Mismatches 8;	Indels 2;	Gaps 1

QY 6 GAGGCTGAGCGAGAAACACTTACCTTTCCCCCTACCGTGTCTCTCTCCACAGAGC 65
Db 11 GGGCTTGAGCGAGAAACACTTACTTTTCCCCCTACCGTGTCTCTCTCTCCACAGAGC 70
QY 66 GCTTTTCTCTTGGCCCTCAGCGCACTTCTCTCTCTGCGCTCACCGTCCCGAGTCACTAG 125
Db 71 GTCTTTCTCTTGGCCCTCAGCGCACTTCTCTCTGCGCTCACCGTCCCGAGTCACTAG 130
QY 126 AAGGTAAACGGGCTCCAGACCCAGCGGCGCCCACTTCTCTGCGCGGAGAGAAACCGGCA 185

Db	13	AAAGTAACGGGGTCCAGAACCCACGGCGGCGCAGTTCTCCGGCGGGAAGGAAAAACCGGCA	190
Qy	186	GAAGGACCAATGAAATGTGCAATCACAGAGTTAACTCTTAAGTGAGAGAAATCATCGTT	245
Db	191	GAAGGACCAATGAAATGTGATCACAGAGTTAACTCTTAAGTGAGAGAAATCATCGTT	250
Qy	246	TGGGTTCAAAAAATGCTGATGGAAGTTAAAGCTGAAATTTGGGTCCTCTTCGCGATG	305
Db	251	TGGGTTCAAAAAATGCTGATGGAAGTTAAAGCTGAAATTTGGGTCCTCTTCGCGATG	310
Qy	306	ATTAATGTGCCAACTCTTTGAAGATGTGTAGGAACTTTAAAGCTGCAAAACGAAGA	365
Db	311	ATTAATGTGCCAACTCTTTGAAGATGTGTAGGAACTTTAAAGCTGCAAAACGAAGA	370
Qy	366	AGATTGTAAATATCCAGAGAGCTGCTTTGCAAGGTGTTCAATGATGTTGACATT	425
Db	371	AGATTGTAAATATCCAGAGAGCTGCTTTCAACAAGGTGTCATGATGATGTTGACATT	430
Qy	426	TATTACTGCA--GATTATGTGTTTACATATCTTTATGTAC	466
Db	431	TATTACTGCAAGATTAATATGCGGTTTCAATATCTTTATGTAC	473

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RESULT 14
US-09-880-107-687/c
: Sequence 687, Application US/09880107
: Patent No. US20020142981A1
GENERAL INFORMATION:
APPLICANT: Horne, Darci T.
APPLICANT: Vockley, Joseph G.
APPLICANT: Scherf, Uwe
APPLICANT: Gene Logic, Inc.
TITLE OR INVENTION: Gene Expression Profiles in Liver Cancer
FILE REFERENCE: 44921-6028-WO
CURRENT APPLICATION NUMBER: US/09/880,107
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: US 60/211,379
PRIOR FILING DATE: 2000-06-14
PRIOR APPLICATION NUMBER: US 60/237,054
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 3950
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 687
LENGTH: 406
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: Genbank Accession No. US20020142981A1 AA267347
US-09-880-107-687

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Query Match	45.8%;	Score 382.4;	DB 9;	Length 406;
Best Local Similarity	99.7%;	Pred. No. 1.5e-84;		
Matches 363;	Conservative	0;	Mismatches 1;	Indels 0;
				Gaps 0;

Qy	445	CATATCTTATGACAGCCATTTTGGTCTCGGAAACCTGGAATATAAAGTGAAC	5111
Db	406	CATATCTTATGACAGCCATTTTGGTCTCGGAAACCTGGAATATAAAGTGAAC	3478
Qy	512	AAATCTTTGAACATCTATATGTAATTTTTCAGAACTTTGAACGAAGAGATTCATG	5711
Db	346	AAACATTTGACACACTTATATGTAATTTTATAGAACTTTGPAACGAAGAGATTCATG	2878
Qy	572	TTTTAAGTCGTCTCTTTTATATCTGTGAAGAAATCTATGTATGATGTATAAAT	6311
Db	286	TTTTAAGATCTGTCTCTTTTATATCTGTGAAGAAATCTATGTATGATGTATAAAT	227
Qy	632	AAATCTTATTTTCTTCAGAAACCTGCTAGAAATCGAGGAGAAAGATTTTTGCG	6923
Db	226	AAATCTTATTTTCTTCAGAAACCTGCTAGAAATCGAGGAGAAAGATTTTTGCG	167
Qy	692	GGGCAGGAGTGGGAATGTTGTCATTAATAATTAGACATTTTCTATAGATATTGACAT	7511
Db	166	GGGCAAGGATGGGAATGTTGTCATTAATAATTAGACATTTTCTATAGATATTGACAT	107

QY 752 TCTGCCAAGCAACAAACCACTCTCTATGAGAAATATTATGATTTAT 811
DB 106 TCTGCCAAGCAACAAACCACTCTCTATGAGAAATATTATGATTTAT 47
QY 812 GTATATAAGCATGTACTGTCTT 835
DB 46 GTATATAAGCATGTACTGTCTT 23

RESULT 15
US-10-085-783A-21733
; Sequence 21733, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Hew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; PRIORITY FILING DATE: 2002-02-28
; PRIORITY FILING DATE: 2001-07-13
; PRIORITY FILING DATE: 2001-07-13
; PRIORITY FILING DATE: 2001-03-12
; PRIORITY FILING DATE: 2001-03-12
; PRIORITY FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21733
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (23)..(23)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (48)..(48)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (328)..(328)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-21733

Query Match 45.6%; Score 381; DB 13; Length 400;
Best Local Similarity 96.8%; Pred. No. 3.4e-84;
Matches 387; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 121 TGAAGAGGTAAACCGGTCACAGACCAACGCGCGCGCAAGTTCCCGCGGAGAAAC 180
DB 1 TGAAGAGGTAAACCGGTCACATNTTCCACCGCGCGCAAGTTCCCGCGGAGAAAC 60
QY 181 GCGCAGAGGAGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 240
DB 61 GCGCAGAGGAGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 120
QY 241 TCGTTGGGTTCAAAAAATGCTGATGAAAGTTAAGCGTAAATTTGGGGTCCCTTCCG 300
DB 121 TCGTTGGGTTCAAAAAATGCTGATGAAAGTTAAGCGTAAATTTGGGGTCCCTTCCG 180
QY 301 TGATGATAATGTGCCAACCTCTTTGAAGCATGTGTAGAACTCTTAAGCTGCAGAAACG 360
DB 181 TGATGATAATGTGCCAACCTCTTTGAAGCATGTGTAGAACTCTTAAGCTGCAGAAACG 240
QY 361 AAGGAAGATTGTAATATCCAGAGAGAGTGTCTTGAAGGTTCATGATGATGATGATGAT 420
DB 241 AAGGAAGATTGTAATATCCAGAGAGAGTGTCTTGAAGGTTCATGATGATGATGATGAT 300
QY 421 CATTAATTACTGCAAGATTAAATGTGTATACATCTTAACTGCAATTTTGTGTT 480

DB 301 CATTAATTACTGCAAGATTAAATGTGTATACATCTTAACTGCAATTTTGTGTT 360
QY 481 TCTGTAACTGGAATATTAAGTGAAGAAACAACTTTG 520
DB 361 TCTGTAACTGGAATATTAAGTGAAGAAACAACTTTG 400

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Job time : 595.895 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2004, 11:55:37 ; Search time 80.1393 Seconds

(without alignments)
5782.230 Million cell updates/sec

Title: US-09-648-310-3

Perfect score: 835
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Scoring table:

IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 27747546 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents_NA:*
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6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	747	89.5	US-09-023-655-79	Sequence 79, Appl
2	310	37.1	US-09-644-460-26	Sequence 26, Appl
3	186	22.3	US-09-621-976-17956	Sequence 17956, A
4	170.2	20.4	US-09-385-982-376	Sequence 376, Appl
5	50	6.0	US-10-204-708-8	Sequence 8, Appl
6	45.2	5.4	US-09-033-684-20	Sequence 20, Appl
7	45.2	5.4	US-09-644-460-20	Sequence 20, Appl
8	45.2	5.4	US-09-621-976-2813	Sequence 2813, Ap
9	44.8	5.4	US-09-799-988-1	Sequence 1, Appl
10	44.4	5.3	US-08-731-722-4	Sequence 42, Appl
11	43.8	5.2	US-10-204-708-42	Sequence 42, Appl
12	43	5.1	US-09-221-0178-77	Sequence 77, Appl
13	42.8	5.1	US-08-299-953-1	Sequence 1, Appl
14	42.8	5.1	US-08-459-415-1	Sequence 1, Appl
15	42.8	5.1	US-09-066-687-1	Sequence 1, Appl
16	42.8	5.1	PCT-US95-11231-1	Sequence 1, Appl
17	42.8	5.1	US-08-299-953-2	Sequence 2, Appl
18	42.8	5.1	US-08-459-415-2	Sequence 2, Appl
19	42.8	5.1	PCT-US95-11231-2	Sequence 2, Appl
20	42.8	5.1	US-09-799-988-1	Sequence 1, Appl
21	42.4	5.1	US-09-621-976-16334	Sequence 16334, A
22	41.4	5.0	US-09-220-132-94	Sequence 94, Appl
23	41.4	4.9	US-10-204-708-59	Sequence 59, Appl
24	40.4	4.8	US-10-204-708-13	Sequence 13, Appl
25	40.4	4.8	US-08-480-604A-9	Sequence 9, Appl
26	40.2	4.8	US-08-480-604A-9	Sequence 9, Appl
27	40.2	4.8	US-08-480-604A-9	Sequence 9, Appl

28	40.2	4.8	7101	2	US-08-405-496A-9	Sequence 9, Appl
29	40.2	4.8	7101	3	US-08-915-136-9	Sequence 9, Appl
30	40.2	4.8	7101	4	US-08-957-310-9	Sequence 9, Appl
31	40.2	4.8	7101	4	US-10-011-366-9	Sequence 9, Appl
32	40.2	4.8	7101	4	US-09-084-517-9	Sequence 9, Appl
33	40	4.8	4702	4	US-08-956-171E-268	Sequence 268, App
34	40	4.8	7218	1	US-08-232-463-14	Sequence 14, Appl
35	39.8	4.8	1182	4	US-09-134-000C-3346	Sequence 3346, Ap
36	39.8	4.8	1664976	4	US-08-916-421B-1	Sequence 1, Appl
37	39.6	4.7	501	4	US-09-601-198-81	Sequence 81, Appl
38	39.6	4.7	6306	4	US-10-204-708-50	Sequence 50, Appl
39	39.4	4.7	1110	4	US-09-328-352-2373	Sequence 2373, Ap
40	38.8	4.6	8607	4	US-10-204-708-71	Sequence 71, Appl
41	38.8	4.6	9636	1	US-08-323-170B-1	Sequence 1, Appl
42	38.8	4.6	9636	1	US-08-954-441-1	Sequence 1, Appl
43	38.6	4.6	11049	4	US-10-204-708-22	Sequence 22, Appl
44	38.6	4.6	11049	4	US-10-204-708-23	Sequence 23, Appl
45	38.2	4.6	3001	4	US-09-539-333D-146	Sequence 146, App

ALIGNMENTS

RESULT 1
US-09-023-655-79
Sequence 79, Application US/09023655
Patent No. 6607879
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HEREMITH
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 786 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: TPIPLD01
CLONE: 012364
US-09-023-655-79
Query Match 89.5%; Score 747; DB 4; Length 786;

	Best Local Similarity	99.0%	Pred. No.	2,18-186;	
	Matches	773;	Conservative	0;	Mismatches 5; Indels 3; Gaps 2
QY	58	CCAGACCGCTTTTCTCTTTGCTTGACCACTTCCTTCTTGCTTACCCCTCCCAATG	117		
Db	1	CCACACCCTCTTCTCTTTGCTTGACCACTTCCTTCTTGCTTACCCCTCCCAATG	60		
QY	118	CACGTAAAGAAGTAACCGGGATCAGAACCCAGCGCGCACAGTTCTCGGCGGGAAGAAA	177		
Db	61	CACGTAAAGAAGTAACCGGGATCAGAACCCAGCGCGCACAGTTCTCGGCGGGAAGAAA	120		
QY	178	ACCGCGCAGAGAGGCAGCATCATGATGTGCATCGAGGTTAATTACTCTTAAGGAAAT	237		
Db	121	ACCGCGCAGAGAGGCAGCATCATGATGTGCATCGAGGTTAATTACTCTTAAGGAAAT	180		
QY	238	TCAATGTTTTGGGTTCAAAAAATGCTGATGSAAGTAAAGC--GTAATAATTTGGGGTCTTC	295		
Db	181	TCAATGTTTTGGGTTCAAAAAATGCTGATGSAAGTAAAGC--GTAATAATTTGGGGTCTTC	240		
QY	296	TTCGGATGATTAATATGTGCCCACTCTTTGAGCATTTGTATGAACTCTTAAGCTGC-	354		
Db	241	TTCGGATGATTAATATGTGCCCACTCTTTGAGCATTTGTATGAACTCTTAAGCTGC	300		
QY	355	AAAACGAGAAGATTTGTAACTATCCAGAGAGCTGTTCTCGAAGSTTTATATATA	414		
Db	301	AAAACGAGAAGATTTGTAACTATCCAGAGAGCTGTTCTCGAAGSTTTATATATA	360		
QY	415	TGTTGACATTAATTAATCTCAGATTAATATGTGTTACATATCTTAATGACTGCATTT	474		
Db	361	TGTTGACATTAATTAATCTCAGATTAATATGTGTTACATATCTTAATGACTGCATTT	420		
QY	475	TTTGTTTCTGTGTAACGTGAATATATAAGTGAAGAACAACATTTGAACACTTAATGT	534		
Db	421	TTTGTTTCTGTGTAACGTGAATATATAAGTGAAGAACAACATTTGAACACTTAATGT	480		
QY	535	ATTTTATATGAACCTTTGTAAAGAAAGAGATTCATGTTTAGAAGCTCTGCTTTTTA	594		
Db	481	ATTTTATATGAACCTTTGTAAAGAAAGAGATTCATGTTTAGAAGCTCTGCTTTTTA	540		
QY	595	TATCTTGAAGAAATCTATGTATGATGCTATAAAATTAATCTATTATTTTCTCAGAA	654		
Db	541	TATCTTGAAGAAATCTATGTATGATGCTATAAAATTAATCTATTATTTTCTCAGAA	600		
QY	655	ATCTGTTTGAAGATTCAGAGCAATGAAATTTTTCGCGGCGAGGAGATGTTTGT	714		
Db	601	ATCTGTTTGAAGATTCAGAGCAATGAAATTTTTCGCGGCGAGGAGATGTTTGT	660		
QY	715	CATAAATAATTAGACATTTTCTATGATATTGACATTTCTCGAAACCAAAGCAAACT	774		
Db	661	CATAAATAATTAGACATTTTCTATGATATTGACATTTCTCGAAACCAAAGCAAACT	720		
QY	775	GAAACCAAACTCTATGAGAAATTTATGATGTTATGATATAAAGCATGTAACTGTCT	834		
Db	721	GAAACCAAACTCTATGAGAAATTTATGATGTTATGATATAAAGCATGTAACTGTCT	780		
QY	835	T 835			
Db	781	T 781			
RESULT 2					
US-09-644-460-26					
Sequence 26, Application US/09644460					
Patent No. 6657053					
GENERAL INFORMATION:					
APPLICANT: Fisher, Paul B.					
TITLE OF INVENTION: Reciprocal Subtraction Differential					
FILE REFERENCE: 34587-C-PCT-US/A					
CURRENT APPLICATION NUMBER: US/09/644,460					
PRIORITY FILING DATE: 2000-08-23					
PRIOR APPLICATION NUMBER: PCT/US99/04323					
PRIOR FILING DATE: 1999-02-26					

	Query Match	Best Local Similarity	37.1%;	Score 310;	DB 4;	Length 800;	
			68.7%;	Pred. No. 7.1e-72;			
	Matches 537;	Conservative	0;	Mismatches 220;	Indels 25;	Gaps 7;	
QY	43	CTGTGCTCTCTCTCTCTCCACAGCCGCTTTCTCTTTGGCTTCAGCACTTCCTTCCTTCGCC					102
Db	16	CGTCCCTCTCTCTCTCCACTCAGCCCTTTCTTTAGCCCGAACCTCTCTCTCTCTGCT					75
QY	103	TCACCTCCCTCCAGTSCATCTGAAGAAGTAAACCGGCTTCAGACCACGCGCGCAATTC					162
Db	76	TGTTCTCTCTTGGGCGCGGAAGCTGAGTGAAGGCTTCAACCCACGCGCGAGCACTC					135
QY	163	CCGGCGGGAAGAAACCGCGAGAGAGGCGACATGATGTGATCAGAGGTTAACT					222
Db	136	TTCACTGAAGAAGAGAGCAATCGAAGGGTCTGCAATGACGTGAGACATGAGGTTAACT					195
QY	223	CTTAGTGAAGAAATTCATCTGTTGGGTTCAAAATATGCTGATGAAGAAGTTAAGCGTGA					282
Db	196	CTGTGTGAAGAAATTCATCTGCTGGGTTCCAAAATATGCCGATGGGAATCAGTGTGA					255
QY	283	ATTGGGGTCTCTTCCGTGATGATTAATGTGCCACTCTTTG-AAAGATTGGTAGAA					341
Db	256	GTTGGGGTCTCTTCCAAAGACACAGATGGCCAACTCTTTGAAACCGTTGGTGGAA					315
QY	342	CTCTTAAAG-CTGCAAAACGAGAAGATTTGTAAATATCAGAGAGCGCTTCGCA					400
Db	316	CTCTGAAACCCGCAAAACGAGAAGATTTGTACGACAGAGAGCTGCTTTGCA					375
QY	401	GGTGTTCATGATGATGTGAATTAATTAATCTGCAAGATTAAATGGTTTACATCTTT					460
Db	376	GGTGTTCATGATGATGTGAATTTATGATGTATGCTGCAAGATTAAATGGTTTGCAGATCTG					435
QY	461	ATGTACTGCAATTTTGTCTGTGTGAATCTGAAAT-ATAAATGGAAGAAACAATTT					519
Db	436	GGGTA-----TCTGGTAAACGGAATTAATTAAGTTAAAGCAAAAT--					478
QY	520	GAACTACTTAATGATTTTATAGAACTTTGTAAAGAGAGAGATTCATGTTTAGAA					579
Db	479	-GAAGTCTTAATGATTTTATAGACCTTTGTAAACAAAGAGGA--CTGTGTGAAG					535
QY	580	GTCGTCTCTTTTATATCTTGAAAGAAATCTATGTATGATGCTATAAATTAATCTTA					639
Db	536	TCTGTCTTTTATACCTTGAGCAAAACATTAATGTATTAATTAACAAACCTGTATT					595
QY	640	TTATTTTCTCAGAAATCTGTTGAATTCAGATTCAGCAATGATTTTTCGCGGCGAGG					699
Db	596	TTTTTTTCTTAAGAGGTAATCGGAGACGTAGCAATTAATGTTTTTCAGAGGTGCA					655
QY	700	ATGGGAATGTTTTCATTAATTAATTAAGCAATTTCTATAGATATTGACATTCTGCGAA					759
Db	656	AAAGTCTTTTCTTAACCAATTTTATCT-CTGCCACACTGACACTCCGTCAA					713
QY	760	AGCAACAGCAACTGGAACCACTCTATAGAAATTAATAGAGTTATGTATTAATAA					819
Db	714	AGTGAAGACGAACCTAAGACCACTGCGGTGAAATATTTATGTTATGTAATTAATAA					773
QY	820	GA 821					
Db	774	AA 775					

RESULT 3
US-09-621-976-17956
; Sequence 17956, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTS and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO: 17956
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-17956

Query Match 22.3%; Score 186; DB 4; Length 219;
Best Local Similarity 99.5%; Pred. No. 1,3e-39;
Matches 197; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 637 CTATTATTTTCTCAGAACTGTTAGGAATTCAGGCAATGAGATTTTTCGGGGGCA 696
DB 1 CTATTATTTTCTCAGAACTGTTAGGAATTCAGGCAATGAGATTTTTCGGGGGCA 60
QY 697 GGGATGGGAATGTTGTTCAATTAATTAATTAATTAATTAATTAATTAATTAAT 756
DB 61 GGGATGGGAATGTTGTTCAATTAATTAATTAATTAATTAATTAATTAATTAAT 120
QY 757 GAAAGCAACAGCAACACTGAGACCACTCTATGAGAAATTAATTAATTAATTAAT 816
DB 121 GAAAGCAACAGCAACACTGAGACCACTCTATGAGAAATTAATTAATTAATTAAT 179
QY 817 AAAAGCATGTAAGTCT 834
DB 180 AAAAGCATGTAAGTCT 197

RESULT 4
US-09-385-982-376
; Sequence 376, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS: IT
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 376
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(611)
; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-376

Query Match 20.4%; Score 170.2; DB 3; Length 611;

Best Local Similarity 78.2%; Pred. No. 2.8e-35;
Matches 204; Conservative 0; Mismatches 56; Indels 1; Gaps 1;
QY 461 ATGTACTGCCATTTTGTGTTCTGTAACCTGGAATTAAGTAAGAAACAACATTTG 520
DB 308 ANGNNGCCATTTTNGTTTCTGTAACNGGAATTAAGTAAGAAACAACATTTG 367
QY 521 AACACTTATATATTTTATATGAACCTTTGAACGAAGGAGATTCATGTTTGAAG 580
DB 368 AACACTTATATATGATTTTATGAACCTTTGAACGAAGGAGATTCATGTTTGAAG 427
QY 581 TGTGCTTTTATATCTGTAAGAAATCTATGATGCTATTAATAATCTCTAT 640
DB 428 TGTGCTTTTATATCTGTAAGAAATCTATGATGCTATTAATAATCTCTAT 486
QY 641 TATTTTCTCAGAAATCTGGTTAGGAATTCAGGCAATGAGATTTTTCGGGGGCA 700
DB 487 TATTTTCTCAGAAATCTGGTTAGGAATTCAGGCAATGAGATTTTTCGGGGGCA 546
QY 701 TGGAATGTTGTTCAATAAT 721
DB 547 GGAAGTTGGCTTAATAAT 567

RESULT 5
US-10-204-708-8
; Sequence 8, Application US/10204708
; Patent No. 6677731
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; TITLE OF INVENTION: by Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/204,708
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019056.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO: 8
; LENGTH: 6020
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-204-708-8

Query Match 6.0%; Score 50; DB 4; Length 6020;
Best Local Similarity 51.1%; Pred. No. 0.0022;
Matches 143; Conservative 0; Mismatches 135; Indels 2; Gaps 1;

QY 412 TGATGTGACATTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 471
DB 1713 TTAATGAGTATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1772
QY 472 TTTTGTGTTCTGTAACCTGGAATTAAGTAAGAAACAACATTTGAACACTTAA 531
DB 1773 TGTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1832
QY 532 TGTATTTTAA--TAAAGCTTTGTAAGGAAGGAGATTCATGTTTGAAGTCTCT 589
DB 1833 TTTATATATATGATTAATGATGATGATGATGATGATGATGATGATGATTAAT 1892
QY 590 TTTATATCTGTAAGAAATCTATGATGATGATGATGATGATGATGATGATGATTTCT 649


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Db 292 MNGKGRWASKRYKMKMMWCMAMRYSTGTBSMRRMYTMMKMKYAWARAAW 351
Qy 502 GTGAAAGAACAAACATTGACATCTTAATGATTTTATGAACTTTGTAACGAAAG 561
Db 352 RWMAMWMMWRACAAAAATATATTTATGTAACATCTTGTACTTTAGCAATCTGG 411
Qy 562 GAGATTCATGTTTGAAGCTGCTTTTATATCTTTGTAAGAAATCTATGATG 619
Db 412 AGTGTGTCATGTCAGTAAGTCACTTAATTTCTTGAAGAAAGTTTGTGTTG 469
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RESULT 9

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US-09-790-988-1/c
; Sequence 1, Application US/09790988
; Patent No. 6632935
; GENERAL INFORMATION:
; APPLICANT: SHIGENOBU, SHUJI
; APPLICANT: WATANABE, HIDEKI
; APPLICANT: HATTORI, MASAHIRA
; APPLICANT: SAKAKI, YOSHIYUKI
; TITLE OF INVENTION: GENOME DNA OF BACTERIAL SYMBIONT OF APHIDS
; FILE REFERENCE: 081356/0159
; CURRENT APPLICATION NUMBER: US/09/790,988
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: JP2000-107160
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO: 1
; LENGTH: 640681
; TYPE: DNA
; ORGANISM: Buchnera sp.
US-09-790-988-1
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Query Match 5.4%; Score 44.8; DB 4; Length 640681;
Best Local Similarity 52.1%; Pred. No. 0.34;
Matches 125; Conservative 0; Mismatches 112; Indels 3; Gaps 1;
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Qy 412 TGATGTCATATATATGTCAGATTAATGTTGTTACATATCTTATGTCGCA 471
Db 618831 TAATTAACATATCTTATGTAAGATTTGAATTTAAATATTTTCACTTCTAT 618772
Qy 472 TTTTGTGTTCTGTAAGCTGGAATATAAGTGAAGAACAAACATTTGAACATCTAA 531
Db 618771 TTTTGTGTTCTGTAAGCTGGAATATAAGTGAAGAACAAACATTTGAACATCTAA 618712
Qy 532 TGTATTTATAGACTTTGTAAGAGAGATTCATGTTTGAAGCTGTCCTTT 591
Db 618711 TGACATTTTATATATTTTAAAGTCAAAAA--ATATTTTAAAAATATCTAA 618655
Qy 592 TTAATCTTGAAGAAATCTATGATGATCTATAAATATATCTATTTTCTCA 651
Db 618654 AAATATTTACATGATCAAAATATATGTTACACATTTATATATATCCATCA 618595
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RESULT 10

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US-08-731-722-4
; Sequence 4, Application US/08731722
; Patent No. 5961971
; GENERAL INFORMATION:
; APPLICANT: Martin, Frank N.
; TITLE OF INVENTION: Biocontrol of Fungal Soilborne Pathogens
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Saliwanchik & Saliwanchik
; STREET: 2421 N.W. 41st Street, Suite A-1
; CITY: Gainesville
; STATE: FL
; COUNTRY: US
; ZIP: 32606-6669
; COMPUTER READABLE FORM:
```

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/731,722
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Whitlock, Ted W.
REGISTRATION NUMBER: 36,965
REFERENCE//DOCKET NUMBER: UP-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 352-375-8100
TELEFAX: 352-372-5800
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: 17-1
US-08-731-722-4
```

```
Query Match 5.3%; Score 44.4; DB 2; Length 1218;
Best Local Similarity 49.1%; Pred. No. 0.034;
Matches 172; Conservative 0; Mismatches 176; Indels 2; Gaps 2;
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Qy 486 TAACTGGAATATTAAGTGAAGAACAAACATTTGAACATCTTAATGATTTTATAGA 545
Db 440 TAACCTTTAAAAAATTAATGAATTAATCTTAAATGAATATTTTATATAA 499
Qy 546 ACTTTGTAAGAGAGAGATTCATGTTTGAAGCTGCTTTTATATCTTGAAG 605
Db 500 TATTAATATTTTAAATGTTAAATCCACAGAAATTTAATATATATATG-AA 558
Qy 606 AAATCTATGATGATGCTATAAATAATCCATATTTTCTGAGATCTGTTAG 665
Db 559 AACTTTACTTAATTTCTTAATTAATATGATTAATTAACGTAACCTATGAACCT 618
Qy 666 AATGAGCAATGAGATTTTTCGGGCGAGGATGGAATGTTTCTATTAATAT 725
Db 619 TAATTAAGCTATAAATAATTTTCAATAGAGAAAGTTTATTTTAAATGAAT 678
Qy 726 AGACATTTCTATGATATTTGACATCTGCGAAAGCAACAGAACTGAAGCACT 785
Db 679 GTATCTTATTTTACTTTAATAGAAATTAATTAATTAATTAATTAATTA 737
Qy 786 CCTATGAAATATTAATGATGTTTATGTAATAAGACATGTAATCTCTT 835
Db 738 CTATTAAGAGATTTTCAATTTTATTTTAAATTTTAAAGTTATATCTT 787
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RESULT 11

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US-10-204-708-42
; Sequence 42, Application US/10204708
; Patent No. 6677731
; GENERAL INFORMATION:
; APPLICANT: Olek, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/204,708
; PRIOR FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
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PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 98
SEQ ID NO 42
LENGTH: 8537
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-204-708-42

Query Match
Best Local Similarity 51.0%; Score 43.8; DB 4; Length 8537;
Pred. No. 0.11;
Matches 128; Conservative 0; Mismatches 122; Indels 1; Gaps 1;

QY 517 TTGACATCTTAATGATATTTTATAGAACTTTGTAAGAAAGAGATTCATGTTTA 576
DB 7358 TTTTATTTTTTTTTTTTTTTTTTAAAAAAATTTGAATTTTAAAGATTAATGTTTT 7417
QY 577 GAAGTCGTCCTTTTATATCTTGAAGAAATCTATGATGATGCTATTAATTAATC 636
DB 7418 GAGTTATGAGATATTTT-TATATTTTAAATATTTTATTTTATTTTATGATTAAT 7476
QY 637 CTATTTATTTTTCAGAACTCTGTTAGGAAATGCGCATGAGATTTTTCGGGGCA 696
DB 7477 AGTTTGAGTATTTTCTTTTTTTTTTTTAAATATTTATAGAAATTTGGAATTAAG 7536
QY 697 GGGATGGGAATGTTTGTTCATAAATATAGACATTTTCTATGATTTGACATCTGCG 756
DB 7537 TAAATTTGATTTTTTTTTTAAATAGTTAAATGTTGATTTTGAAGAATTTTAAATGCTG 7596
QY 757 GAAAGCAACAA 767
DB 7597 TAAATGAAAAA 7607

RESULT 12
US-09-221-017B-77/c
Sequence 77, Application US/09221017B
Patent No. 6444799
GENERAL INFORMATION:
APPLICANT: Rose, Bruce C.
TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
NUMBER OF SEQUENCES: 1120
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSeq for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/221.017B
FILING DATE: 23-DEC-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1182
FILING DATE: 31-DEC-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP1546
FILING DATE: 30-JAN-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PP2911
FILING DATE: 09-APR-1998
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/AU98/01023
FILING DATE: 10-DEC-1998
ATTORNEY/AGENT INFORMATION:
NAME: Monroy, Gladys H
REGISTRATION NUMBER: 32,430
REFERENCE/DOCKET NUMBER: 27340-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 77:
SEQUENCE CHARACTERISTICS:
LENGTH: 1189 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: UNKNOWN
ORIGINAL SOURCE:
ORGANISM: PORPHYROMONAS GINGIVALIS
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1...1189
US-09-221-017B-77

Query Match
Best Local Similarity 51.3%; Score 43; DB 4; Length 1189;
Pred. No. 0.078;
Matches 100; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 420 ACATTATATCTCAAGATTAATGATGATTAATCATATCTTTATGATGATGATTTTGT 479
DB 485 ACTTATATTTATGCAATGTCAGATGTTTTCATATACATACATCAACAGGGTATGA 426
QY 480 TTCTGTAACTGGAATTTAAAGTGAAGAAACAACATTTGACATCTTAATGATTTT 539
DB 425 TTATAGAAACAGATGATTAATGATTTTAAACCCGAGTTGATATGATGAGATTTGT 366
QY 540 TATGAATTTGTAAGAAAGAGATTCATGTTTGAAGTCTGCTTTTATATCT 599
DB 365 TGCATTTCTTGAATAAATAAAGGTTTCATCAGAGAGATGATGACATCTGTTTCA 306
QY 600 TGAAGAAATCTAT 614
DB 305 TCGAAATATGATAT 291

RESULT 13
US-08-299-953-1/c
Sequence 1, Application US/08299953
Patent No. 5646333
GENERAL INFORMATION:
APPLICANT: Dobres, Michael S. and Mandaci, Semur
TITLE OF INVENTION: A Plant Promoter Useful for Directing the
EXPRESSION OF Foreign Proteins to the Plant Epidermis
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5646333
STREET: One Liberty Place 46th. Floor
CITY: Philadelphia
STATE: PA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/299,953
FILING DATE: Herewich
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.

REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: NOVA-0003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-564-8960
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2861 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-299-953-1

Query Match 5.1%; Score 42.8; DB 1; Length 2861;
Best Local Similarity 48.7%; Pred. No. 0.13;
Matches 113; Conservative 1; Mismatches 118; Indels 0; Gaps 0;

QY 403 TGTTCATGATGATGTTGACATTATATTACTGCAGATTAAATGCGTTTACATATCTTTAT 462
DB 826 TGTTCATGATGATGTTGACATTATATTACTGCAGATTAAATGCGTTTACATATCTTTAT 462
QY 463 GTCAGCCATTTTGTTCCTGTAACCTGGAATATTAAGTGAAGAACCAACATTGAA 522
DB 766 TTTTTCATGATGATGTTTATGAACTTTGTAACGAAAGAGATCATGTTTGAAGTC 582
QY 523 CATACCTAATGATTTTATGAACTTTGTAACGAAAGAGATCATGTTTGAAGTC 582
DB 706 TAAATATCATTAATGTTTCTTCTGTCGATCTTTAAAAATTTGGCATTA 647
QY 583 TGTCCCTTTTATATCTTGAAGAAATCTATGATGCTATTAATAATTA 634
DB 646 TTTTTCATGATGATGTTTATGAACTTTGTAACGAAAGAGATCATGTTTGAAGTC 582

RESULT 14
US-08-459-415-1/c
Sequence 1, Application US/08459415
Patent No. 5744334
GENERAL INFORMATION:
APPLICANT: Dobres, Michael S. and Mandaci, Sennur
TITLE OF INVENTION: A Plant Promoter Useful for Directing the
TITLE OF INVENTION: Expression of Foreign Proteins to the Plant Epidermis
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5744334-15
STREET: One Liberty Place 46th. Floor
CITY: Philadelphia
STATE: PA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,415
FILING DATE: 02-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/299,953
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: NOVA-0003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-564-8960
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 2861 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-459-415-1

Query Match 5.1%; Score 42.8; DB 1; Length 2861;
Best Local Similarity 48.7%; Pred. No. 0.13;
Matches 113; Conservative 1; Mismatches 118; Indels 0; Gaps 0;

QY 403 TGTTCATGATGATGTTGACATTATATTACTGCAGATTAAATGCGTTTACATATCTTTAT 462
DB 826 TGTTCATGATGATGTTGACATTATATTACTGCAGATTAAATGCGTTTACATATCTTTAT 462
QY 463 GTCAGCCATTTTGTTCCTGTAACCTGGAATATTAAGTGAAGAACCAACATTGAA 522
DB 766 TTTTTCATGATGATGTTTATGAACTTTGTAACGAAAGAGATCATGTTTGAAGTC 582
QY 523 CATACCTAATGATTTTATGAACTTTGTAACGAAAGAGATCATGTTTGAAGTC 582
DB 706 TAAATATCATTAATGTTTCTTCTGTCGATCTTTAAAAATTTGGCATTA 647
QY 583 TGTCCCTTTTATATCTTGAAGAAATCTATGATGCTATTAATAATTA 634
DB 646 TTTTTCATGATGATGTTTATGAACTTTGTAACGAAAGAGATCATGTTTGAAGTC 582

RESULT 15
US-09-066-687-1/c
Sequence 1, Application US/09066687
Patent No. 6339185
GENERAL INFORMATION:

APPLICANT: Dobres, Michael S. and Mandaci, Sennur
TITLE OF INVENTION: A Plant Promoter Useful for Directing the
TITLE OF INVENTION: Expression of Foreign Proteins to the Plant Epidermis
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 6339185-15
STREET: One Liberty Place 46th. Floor
CITY: Philadelphia
STATE: PA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,687
FILING DATE: Herewith
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Beardell, Lori Y.
REGISTRATION NUMBER: 34,293
REFERENCE/DOCKET NUMBER: NOVA-0003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-564-8960
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2861 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-066-687-1

Query Match 5.1%; Score 42.8; DB 4; Length 2861;

Best Local Similarity 48.7%; Pred. No. 0.13;
Matches 113; Conservative 1; Mismatches 118; Indels 0; Gaps 0;

```
QY      403 TGTTCATGATGATGTTGACATTATATTACTGCAAGATTAAATGAGTTTACATATCTTTAT 462
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      826 TGTTAGTAAATAGTGATATGCGAGATTAATCAATATTAATATTAATTATATCA 767
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      463 GTACTGCCATTTTGTCTGTGTAACGTGAATATAAGTGAAGACCAACATTGAA 522
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      766 TTTTGTAGATTAAATTTTATATAAAASTTAATCATTTATTTTAAACAAATAAATGTAA 707
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      523 CATACTTAATGTATTTTATAGAACTTTGTAACGAAGAGATTCATGTTTAGAAGTC 582
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      706 TAAATATCAATTAATGTTTCTTCTTAGTCTGATCTTTAAAAATATTTGCGATAA 647
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY      583 TGTCCTTTTTATATCTTGAAGAAAATCTATGTATGATGCTATATAATPAA 634
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      646 TTTTTTTTTAATATCTATAACAATTTTATATAAGATGATGTATATPAA 595
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Search completed: August 21, 2004, 15:35:35
Job time : 83.1393 secs


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OY      12      CGCGGCGAGACGCTCTTCAGTGAAGAAAGGAACCAATCGAAGGCTGACAAATGAACGTGGA      180
Db      121      CGCGGCGAGACGCTCTTCAGTGAAGAAAGGAACCAATCGAAGGCTGACAAATGAACGTGGA      180
OY      181      GCATGAGGTTAACCTCCTGCTGAGGAAATTATGTCGTGGTTCCAAATATGCCATG      240
Db      181      GCATGAGGTTAACCTCCTGCTGAGGAAATTATGTCGTGGTTCCAAATATGCCATG      240
OY      241      GAAACTAGTGAAGTGGGGGTCTCTTCCAAAGACACAGATGTGGCAATCTCTTGA      300
Db      241      GAAACTAGTGAAGTGGGGGTCTCTTCCAAAGACACAGATGTGGCAATCTCTTGA      300
OY      301      AGCGTGTGGGAACTCTGAAACCCGCAAAACGAAAGAAATTGTTACGTACGACGAGA      360
Db      301      AGCGTGTGGGAACTCTGAAACCCGCAAAACGAAAGAAATTGTTACGTACGACGAGA      360
OY      361      GCTCTCTTTCAGAGTGTTCATGATGATGTTGACATTTGCTGCAAGATTATGTG      420
Db      361      GCTCTCTTTCAGAGTGTTCATGATGATGTTGACATTTGCTGCAAGATTATGTG      420
OY      421      TTTCGACATCTGGGGGATCTGTGTAACTGGAATTAATTAAGTAAAGACAAATGAA      480
Db      421      TTTCGACATCTGGGGGATCTGTGTAACTGGAATTAATTAAGTAAAGACAAATGAA      480
OY      481      TTCTTATGATTTTATATAGACCTTGTGTAACAAAGGGGACTGTGTAGAAAGTCTGT      540
Db      481      TTCTTATGATTTTATATAGACCTTGTGTAACAAAGGGGACTGTGTAGAAAGTCTGT      540
OY      541      TTTATACCTTGAGCAAAACATTACATGTAATAATAACAAACCTGTTATTTTTTTT      600
Db      541      TTTATACCTTGAGCAAAACATTACATGTAATAATAACAAACCTGTTATTTTTTTT      600
OY      601      TCTTAAGACGTATCGGGAGACGTGTGAATTAATGTTTCAGAGGTGCGAAAAAGCT      660
Db      601      TCTTAAGACGTATCGGGAGACGTGTGAATTAATGTTTCAGAGGTGCGAAAAAGCT      660
OY      661      TTGTGTTTCTTAAACCATCTTATGCTCTGCCACACTTGACACTCCGTCMAAGTGAAG      720
Db      661      TTGTGTTTCTTAAACCATCTTATGCTCTGCCACACTTGACACTCCGTCMAAGTGAAG      720
OY      721      CGAACTTAAGACCACTGGCGGTGGAATAATATGTTATGTAATTAATAAAAAAATCATGT      780
Db      721      CGAACTTAAGACCACTGGCGGTGGAATAATATGTTATGTAATTAATAAAAAAATCATGT      780

RESULT 2
US-10-373-556-5
; Sequence 5, Application US/10373556
; Publication No. US20030224402A1
; GENERAL INFORMATION:
; APPLICANT: Paul B. Fisher
; APPLICANT: Dong-chul Kang
; APPLICANT: Zao-Zhong Su
; TITLE OF INVENTION: PROGRESSION SUPPRESSED GENE 13 (PSGen13)
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: A34586-A-PT-USA (070050,2305)
; CURRENT APPLICATION NUMBER: US/10/373,556
; CURRENT FILING DATE: 2003-02-24
; PRIOR APPLICATION NUMBER: PCT/US01/26795
; PRIOR FILING DATE: 2001-08-27
; PRIOR APPLICATION NUMBER: 09/648,310
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 780
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; US-10-373-556-5

```

Query Match	100.0%;	Score 780;	DB 13;	Length 780;
Best Local Similarity	100.0%;	Pred. No. 2e-213;		
Matches 780; Conservative	0;	Mismatches	0;	Indels 0;
				Gaps 0

Qy	1	GGAGAGAGCTCTCCGTCGCCCTCCCTCTCCACATGAGAGCTTCTCTTGAAGCCGAAACA	60
Db	1	GGAGCAGAGCTCTCTGTCCTCCCTCCCTCTCTCACTGAGAGCTTCTCTTGAAGCCGAAACA	60
Qy	61	CTTCTCTTCTCTGCTTGTCTCTCTCTTGAAGCGCGGAAAGCTGAGTGCAGAGGTTCAAGACCA	120
Db	61	CTTCTCTTCTCTGCTTGTCTCTCTCTTGAAGCGCGGAAAGCTGAGTGCAGAGGTTCAAGACCA	120
Qy	121	CGGAGGAGCAGAGCTCTTCACTGTAAGAAAGAAAGCAATCGAAGGTCACAAATGAAACGTGGA	180
Db	121	CGGAGGAGCAGAGCTCTTCACTGTAAGAAAGAAAGCAATCGAAGGTCACAAATGAAACGTGGA	180
Qy	181	GCATGAGGTTAACTCTCTGTCGAGAGAAATTCATGCTGCGGTTCCAAAATGCGATGG	240
Db	181	GCATGAGGTTAACTCTCTGTCGAGAGAAATTCATGCTGCGGTTCCAAAATGCGATGG	240
Qy	241	GAAACGTAGAGTGAAGTTTGGGGGCTCTCTCTCCAAAGCAGACAGATGTGCAATCTCTTGA	300
Db	241	GAAACGTAGAGTGAAGTTTGGGGGCTCTCTCTCCAAAGCAGACAGATGTGCAATCTCTTGA	300
Qy	301	AGCGTTGTGAGAACTCTGAAAGCCGCAAAACGAAAGAGTTGTATCGTACGAGAGA	360
Db	301	AGCGTTGTGAGAACTCTGAAAGCCGCAAAACGAAAGAGTTGTATCGTACGAGAGA	360
Qy	361	GCCTCTTTTGCAGAGGTGTCAATGATGATGTGACATTTGCTGCAAGTTTAATGTGG	420
Db	361	GCCTCTTTTGCAGAGGTGTCAATGATGATGTGACATTTGCTGCAAGTTTAATGTGG	420
Qy	421	TTTGCAGATCTGGGGGTATCTGTGTAACCTGGAATTAATTAGTTAAGACAAACATGAG	480
Db	421	TTTGCAGATCTGGGGGTATCTGTGTAACCTGGAATTAATTAGTTAAGACAAACATGAG	480
Qy	481	TTCCTTATGTATTTTATATGACCTTTGTAAACAAAGGGAAGCTTTGAGAAAGTCCGTT	540
Db	481	TTCCTTATGTATTTTATATGACCTTTGTAAACAAAGGGAAGCTTTGAGAAAGTCCGTT	540
Qy	541	TTTATACCTTGGAGCAAAACATTACATGTAAAAATTAACAAAACCTGTATTTTTTTT	600
Db	541	TTTATACCTTGGAGCAAAACATTACATGTAAAAATTAACAAAACCTGTATTTTTTTT	600
Qy	601	TCTTAAGAAAGTAAATCGGAGAGCGTAAGCAATTAATGTTTTCAGAGGTGGAAGAAAGCT	660
Db	601	TCTTAAGAAAGTAAATCGGAGAGCGTAAGCAATTAATGTTTTCAGAGGTGGAAGAAAGCT	660
Qy	661	TTTGTTTTCTTAAACCATCTTAGTCTGTGCACACTTGACACTCGCTCAAAGTGAAG	720
Db	661	TTTGTTTTCTTAAACCATCTTAGTCTGTGCACACTTGACACTCGCTCAAAGTGAAG	720
Qy	721	CGAAGCTAAAGACCAACTCGCGGTGAGAAATATTATGTTATTATTAATAAAAAATCAATG	780
Db	721	CGAAGCTAAAGACCAACTCGCGGTGAGAAATATTATGTTATTATTAATAAAAAATCAATG	780
RESULT 3			
US-10-725-969A-26			
Sequence 26, Application US/10725969A			
Publication No. US20040132076A1			
GENERAL INFORMATION:			
APPLICANT: Fisher, Paul B.			
TITLE OF INVENTION: Reciprocal Subtraction Differential Display			
FILE REFERENCE: 34587-C-PC-US-A-1			
CURRENT APPLICATION NUMBER: US/10/725,969A			
CURRENT FILING DATE: 2003-12-02			
PRIOR APPLICATION NUMBER: US 09/644,460			
PRIOR FILING DATE: 2000-08-23			
PRIOR APPLICATION NUMBER: PCT/US99/04323			
PRIOR FILING DATE: 1999-02-26			
PRIOR APPLICATION NUMBER: US 09/197,889			
PRIOR FILING DATE: 1998-11-23			
PRIOR APPLICATION NUMBER: US 09/185,115			
PRIOR FILING DATE: 1998-11-03			
PRIOR APPLICATION NUMBER: US 09/032,684			

;; PRIOR APPLICATION NUMBER: US 09/185,115
;;
;; PRIOR FILING DATE: 1998-11-03
;;
;; PRIOR APPLICATION NUMBER: US 09/032,684
;;

; PRIOR FILING DATE: 1998-02-27
 ; NUMBER OF SEQ ID NOS: 42
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 800
 ; TYPE: DNA
 ; ORGANISM: ratius norvegicus
 ; US-10-725-969A-26

Query Match 96.8%; Score 754.8; DB 17; Length 800;
 Best Local Similarity 99.5%; Pred. No. 3.5e-206;
 Matches 778; Conservative 0; Mismatches 2; Indels 2; Gaps 2;

```

QY 1 GGCAGAGGCTCTCTGCTGCTCCCTCCCTTCCACGTGACGCTTTCTTACGCCGACCA 60
DB 1 GGCAGAGGCTCTCTGCTGCTCCCTCCCTTCCACGTGACGCTTTCTTACGCCGACCA 60
QY 61 CTTCCTCTCTGCTGCTGCTCCCTCCGAGGCGGAGAGCTGAGTGCAGAGGTTCCAGACCA 120
DB 61 CTTCCTCTCTGCTGCTGCTCCCTCCGAGGCGGAGAGCTGAGTGCAGAGGTTCCAGACCA 120
QY 121 CGCGGCGAGACGCTCTTCAGTGAAGAGAACCAATCGAGGGTCCAGCAATGAACGTGA 180
DB 121 CGCGGCGAGACGCTCTTCAGTGAAGAGAACCAATCGAGGGTCCAGCAATGAACGTGA 180
QY 181 GATAGAGTTACCTCTCTGCTGAGAGAAATTCATGCTGCGGTTCCAAAATGCCGATGG 240
DB 181 GATAGAGTTACCTCTCTGCTGAGAGAAATTCATGCTGCGGTTCCAAAATGCCGATGG 240
QY 241 GAAAGCTGAGTGAAGTTGGGGTCTCTCCAGACAGACAGATGTCGAATCTCTTTG- 299
DB 241 GAAAGCTGAGTGAAGTTGGGGTCTCTCCAGACAGACAGATGTCGAATCTCTTTG- 299
QY 300 AAGCCTGTGGGAACTCTGAAG-CCGCAAAACGAAGAAAGTTGTAACGTACGACGA 358
DB 300 AAGCCTGTGGGAACTCTGAAG-CCGCAAAACGAAGAAAGTTGTAACGTACGACGA 358
QY 301 AACCGTGTGGGAACTCTGAAG-CCGCAAAACGAAGAAAGTTGTAACGTACGACGA 360
DB 301 AACCGTGTGGGAACTCTGAAG-CCGCAAAACGAAGAAAGTTGTAACGTACGACGA 360
QY 359 GAGCTGCTTTGCAAGTGTTCATGATGATGTCATTTGATGCTGACAGATTAAATGT 418
DB 359 GAGCTGCTTTGCAAGTGTTCATGATGATGTCATTTGATGCTGACAGATTAAATGT 418
QY 419 GAGCTGCTTTGCAAGTGTTCATGATGATGTCATTTGATGCTGACAGATTAAATGT 420
DB 419 GAGCTGCTTTGCAAGTGTTCATGATGATGTCATTTGATGCTGACAGATTAAATGT 420
QY 421 GATTGACAGATCTGGGGGATCTGTAACGAAATTAATTAAGTTAAAGACAAACATGA 480
DB 421 GATTGACAGATCTGGGGGATCTGTAACGAAATTAATTAAGTTAAAGACAAACATGA 480
QY 479 AGTTCCTTAATGATTTTAAAGACCTTTGTAACAAAGGGAATGTTGGAAGTCTG 538
DB 479 AGTTCCTTAATGATTTTAAAGACCTTTGTAACAAAGGGAATGTTGGAAGTCTG 538
QY 481 AGTTCCTTAATGATTTTAAAGACCTTTGTAACAAAGGGAATGTTGGAAGTCTG 540
DB 481 AGTTCCTTAATGATTTTAAAGACCTTTGTAACAAAGGGAATGTTGGAAGTCTG 540
QY 539 TTTTATACCTTGAAGCAAAACATTAACATGTAATAAATAAACAACCTGTTATTTT 598
DB 539 TTTTATACCTTGAAGCAAAACATTAACATGTAATAAATAAACAACCTGTTATTTT 598
QY 541 TTTTATACCTTGAAGCAAAACATTAACATGTAATAAATAAACAACCTGTTATTTT 600
DB 541 TTTTATACCTTGAAGCAAAACATTAACATGTAATAAATAAACAACCTGTTATTTT 600
QY 559 TTTCTTAAGAGTAAATCGGAGAGCTAGGCAATAAATGTTTTCAGAGGTGCGAAAAG 658
DB 559 TTTCTTAAGAGTAAATCGGAGAGCTAGGCAATAAATGTTTTCAGAGGTGCGAAAAG 658
QY 601 TTTCTTAAGAGTAAATCGGAGAGCTAGGCAATAAATGTTTTCAGAGGTGCGAAAAG 660
DB 601 TTTCTTAAGAGTAAATCGGAGAGCTAGGCAATAAATGTTTTCAGAGGTGCGAAAAG 660
QY 659 CTCTGTTTCTTAACCAATCTTAATGCTGCGCACTGACACTCGGTCAAGGTGA 718
DB 659 CTCTGTTTCTTAACCAATCTTAATGCTGCGCACTGACACTCGGTCAAGGTGA 718
QY 661 CTCTGTTTCTTAACCAATCTTAATGCTGCGCACTGACACTCGGTCAAGGTGA 720
DB 661 CTCTGTTTCTTAACCAATCTTAATGCTGCGCACTGACACTCGGTCAAGGTGA 720
QY 719 AGCGAATTAAGACCAATCGGCGTGAATAATTAATGTTTAAATTAATTAATTAATCAT 778
DB 719 AGCGAATTAAGACCAATCGGCGTGAATAATTAATGTTTAAATTAATTAATTAATCAT 778
QY 721 AGCGAATTAAGACCAATCGGCGTGAATAATTAATGTTTAAATTAATTAATTAATCAT 780
DB 721 AGCGAATTAAGACCAATCGGCGTGAATAATTAATGTTTAAATTAATTAATTAATCAT 780
QY 779 GT 780
DB 781 GT 782
  
```

RESULT 4
 US-10-373-556-3
 ; Sequence 3, Application US/10373556

; Publication No. US20030224402A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Paul B. Fisher
 ; APPLICANT: Dong-chul Kang
 ; APPLICANT: Zao-Zhong Su
 ; TITLE OF INVENTION: PROGRESSION SUPPRESSED GENE 13 (Psgen13)
 ; TITLE OF INVENTION: AND USES THEREOF
 ; FILE REFERENCE: A34586-A-PCT-USA (070050.2305)
 ; CURRENT APPLICATION NUMBER: US/10/373,556
 ; PRIOR FILING DATE: 2003-02-24
 ; PRIOR APPLICATION NUMBER: PCT/US01/26795
 ; PRIOR FILING DATE: 2001-08-27
 ; PRIOR APPLICATION NUMBER: 09/648,310
 ; PRIOR FILING DATE: 2000-08-25
 ; NUMBER OF SEQ ID NOS: 8
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 835
 ; TYPE: DNA
 ; ORGANISM: homo sapiens
 ; US-10-373-556-3

Query Match 43.0%; Score 335.2; DB 13; Length 835;
 Best Local Similarity 69.1%; Pred. No. 1.7e-85;
 Matches 539; Conservative 0; Mismatches 218; Indels 23; Gaps 5;

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QY 16 GATCCCTCCCTTCTCCATGACGCTTTCTTACCCCGAACCTCTCTGCT 75
DB 43 CTGCTCCTCTCCTCCACAGCCGCTCTTCTCTTCTGCTCAGCACTCTCTTCCGCC 102
QY 76 TGTTCCTCCCTAGGGGCGGAGAGCTGAGTCAAGCTTCCAGCGCGGAGAGCTC 135
DB 103 TCACTCCCTCCATGACCTAAAGATACCGGGTCCAGACCCAGCGCGGAGAGCTC 162
QY 136 TTAGTGAAGAGAGCAATCGAGGGTCCAGATGAAGCTGAGACATGAGTTAACT 195
DB 163 CGGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 222
QY 196 CTGCTGAGAGAAATTCATGCTGCTGCTTCCAAAATGCCGATGAGAACTGAGTAA 255
DB 223 CTGAGTGAAGAAATTCATGCTGCTGCTTCCAAAATGCCGATGAGAACTGAGTAA 282
QY 256 GTTGGGGTCTCTTCCAGAGACAGATGTCGAATCTCTTGAACGTTGGTGAAC 315
DB 283 ATTTGGGGTCTCTTCCAGATGATTAATGTCGAACCTCTTTGAACATGTTAGAAC 342
QY 316 TCTGAAGCCGCAAAACGAAGAGATGTTAGTACGAGAGAGCTGTTTGAAG 375
DB 343 TCTTAAAGCTGCAAAACGAAGAGATGTTAATTCAGAGAGAGCTGTTTGAAG 402
QY 376 TGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 435
DB 403 TGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 462
QY 436 GTA-----TCTGTAACCTGTAATAATTAAGTTAAAGCAAAACAT---G 477
DB 463 GTAAGCAATTTTCTGTTCTGTTAACTGAAAT-ATAAGTGAAGAAACAAATTTGA 521
QY 478 AAGTCTTAATGATTTTAAAGACCTTTGTAACAAAGGGAAT- TGTGAAGATC 535
DB 522 ACATCTTAATGATTTTAAAGACCTTTGTAACAAAGGGAATCAATGTTTGAAGT 581
QY 536 CTGTTTAACTGAGCAAAACATTAATGTAATAATTAATTAATTAATTAATTAATTA 595
DB 582 CTGCTCTTTTAACTGAGCAAAACATTAATGTAATAATTAATTAATTAATTAATTA 641
QY 596 TTTTCTTAAGAGTAAATCGGAGAGCTGAGCAATAAATGTTTTCAGAGGTGCGAAA 655
DB 642 ATTTTCTGAGAGATCTGTTAGAGATTCAGAGCAATGATTTTTCGCGGCGAGGAT 701
QY 656 AAGCTTTGTTTCTTAACCAATCTTAAGTCT-CTGACACACTGACACTCGGTCAAG 713
DB 702 GGAATGTTTCTTAATTAATTAAGACATTTTCTTAATTAATTAATTAATTAATTAAT 761
  
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QY	402	TGCGCAAGATTATGATGGTTTGCACATCTGGGGGGA-----TCGGTAA	446
Db	368	TACGCAAGATTATGATGGTTTGCACATCTTATGTACTGCCATTTTGTGTTCTGGTAA	427
QY	447	ACTGGAATTAATTAAGTTAAAGCAACAAT---GAAGTCCTTATGATTTTATAGACC	503
Db	428	ACTGGAAAT-ATAAAGTGAAGAAACAACATTTGAACATACCTTAATGATTTTATAGAAC	486
QY	504	TTTGTAACAAAGGGGGA--CTGTGTGAAGATCCTGTTTATATCCTTGAGCAAAACA	561
Db	487	TTTGTAACCAAGAGGAGATTCAGTTTGAAGTGTGCTTTTATATCTGTAAGAA	546
QY	562	TTACAATGTAAAAATTAACAAAACCTGTATTTTTTTTCTTAAGAGGAATCGGGAG	621
Db	547	AATTAATAGTATGATGCTATTAATTAATCTCTATTTTTTTCTAGAGAACTGTTAGGAA	606
QY	622	ACGTAGGCAATTAATAATGTTTTCAGAGTGCAGAAAAGCTTTGTGTTCTTAACCATCT	681
Db	607	TTGAGGCAATGAGATTTTGTGGGGGACGGATGGGAATGTTGTCATTAATAATTAG	666
QY	682	TAGTCT--CTGCCACACTTGACACTGCCGTCGTAAGTGAAGGAACTTAAGACCAACTGC	739
Db	667	ACAATTTCTATAGATATTTTGACATCTGTGGAAAGCAACAGCAAACTGAAGACCAACTCC	726
QY	740	GGTGAATAATATATGTTTATGTAATTAATAAAAAA	773
Db	727	TATGAGAAATATTTATGATGTTTATGTAATTAAGG	760

RESULT 7

```

US-10-172-118-156
Sequence 156, Application US/10172118
Publication No. US20030224374A1
GENERAL INFORMATION:
APPLICANT: Dai, Hongyue
APPLICANT: He, Yudong
APPLICANT: Linsley, Peter
APPLICANT: Mao, Mao
APPLICANT: Roberts, Chris
APPLICANT: Van 't Veer, Laura
APPLICANT: Van de Vijver, Marc
APPLICANT: Bernards, Rene
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
FILE REFERENCE: 9301-1175-999
CURRENT APPLICATION NUMBER: US/10/172,118
CURRENT FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: 60/380,770
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 156
LENGTH: 876
TYPE: DNA
ORGANISM: Homo sapiens
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: AP15682
DATABASE ENTRY DATE: 2001-06-18
US-10-172-118-156

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Query Match	41.1%;	Score 320.4;	DB 13;	Length 876;
Best Local Similarity	69.0%;	Pred. No. 3.2e-81;		
Matches 520; Conservative	0;	Mismatches 211;	Indels 23;	Gaps 5

QY	4	TTCTCTTGACCCGGAACCACTCTCTTTCTTTCTGTTGTTCCCTCTAGGGGGGGAAGCTG	101
Db	8	TTTTTTTTTGCTCAGCACTTCCTCTTGGCCCTACCTCCCACTGCATGAAGAAG	67
QY	102	AGTCAGAGGGTTTAGAGCCACAGCGGGGGAGACACTCTTCACTGMAAGAGAAACGATATGGAG	161
Db	68	GTAACCGGATCCAGAACCCAGCGAGGCCAGTCTTCGCGCGGAAGAAACCCGCGAGAG	127
QY	162	GGTCAGCAATGAACCTGGAGCATGAGTTAACTCTCTGGTGGAGAAATTCAATGCTCTGG	221
Db	128	AGGCAAGCAATGATGTGATGATCAGAGGTTAACTCTTATGGAGGAATTCATCTGTTGG	187

QY	222	GTTCGCAAAAATGCCAGTGGAGAAACGAGTGGGAAGATTGGGGGTCTCTCCGCAAGACGAC	281
Db	188	GTTCCAAAAAATCTGATGTAGAAAGTTAAGCGTGAATTTGGGGTCTCTCCGTGATGATA	247
QY	282	GATGTGCCAATCTCTTTGAAGCGTTGGTGGGAACCTGAAAGCCGCAAAACGAAAGAGA	341
Db	248	AATGTGCGAAACCTCTTTGAAGCATTGGTAGGAACCTTTAAGCGTCAAAAAGAAAGAGA	307
QY	342	TTGTGTACGTACGAGAGAGAGCTGCTTTTTCGAAAGTGTCAATGATGATGTGACATTGTAT	401
Db	308	TTGTACATATCCAGAGAGAGCTGCTTCGCAAGGTGTTCAATGATGATGTGACATTATAT	367
QY	402	TGCTCGAAGATTATATGTGGTTTTCAGATCTGGGGGTA-----CTGGTAA	446
Db	368	TACTCGAAGATTATATGTGGTTTACATCTTTATATGTAAGTCTGCATTTTGTGTTCTGGTA	427
QY	447	ACTGGAATATATTAAGTTAAAGCAACAACAT--GAAGTCTCTATGTATTTTATATAGAC	503
Db	428	ACTGGAAT-ATTAAGTGAAGAAACAAACATTGAAACATCTATATGATTTTATATGAC	486
QY	504	TTTGTATACAAAAGGGGA--CTTGTTCGAAAGTCTGTTTATACCTTGGACGAAAACG	561
Db	487	TTTGTAAAGAAAGGAGATCTATGTTTTCGAAAGTCTGCTTTTATATCTTGAAGAA	546
QY	562	TTACATGTATAAAATATAACAAACCTGTATTTTTTTTCTTAAAGGTATACGGGAG	621
Db	547	AATCTATGTATGTGCTATTAATAATATCTATATATTTTCTCGAAGATCTGGTATGGA	606
QY	622	ACGTAGGCAATAAAATGTTTCAGAGTGCAGAAAAGCTTTGTTTCTTAAACCAATCT	681
Db	607	TTGCAAGCAATGAGATTTTTTCGGGGGAGGAGATGGGAAGTGTGTTCATTAATATTA	666
QY	682	TAGTCT--CTGCCACACTTGACACTCCGTCAAAGTGAAGACGAACCTAAAGCCAACTGC	739
Db	667	ACATTTTCTATGAAATTTGACATCTTCGCGAAGACCAACAGCAAACTGAAGACCACTCC	726
QY	740	GGTGGAAAATATATGTTTATATGTAATTAATAAAAAA	773
Db	727	TATGAGAAATATTAATGATGTTTATGTATTAATAAGA	760

RESULT 8

US-10-641-643-79
Sequence 79, Application US/1064143
Publication No. US2004007003A1
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
Susan G. Stuart
Jeffrey J. Sellmayer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELLS
GENE EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/641,643
FILING DATE: 14-Aug-2003
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:

Db 571 CTGTCTTTTCTTATCTGAAAGAAATCTATGATGCTATATAATCTTAT 630
QY 592 TTTTCTTTTCTTAAAGATATCGGAGAGTATGCGCATATAA 636
Db 631 ATTCTTAAAGATATGCTTGAATTTCTGCAAGCAACAGCAAA 675

RESULT 10
US-09-969-034-750
; Sequence 750, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Aslie, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poonima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 750
; LENGTH: 594
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 405, 447, 472, 485, 497, 513, 534, 537, 541, 543, 563, 572
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-750

Query Match 33.7%; Score 263; DB 12; Length 594;
Best Local Similarity 76.0%; Pred. No. 8,1e-65;

Matches 323; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 16 CGTCCCTCCCTTCTCCAGTGCAGCCTTCTTAAAGCCGCAACACTCTCTTCTGCT 75
Db 45 CTGTCTCTCTCTCTCCAGCAGCCTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCT 104
QY 76 TGTTCCTCCCTAAGGCGGAGAGTGAAGTGAAGGTTGACACCGCGGAGAGCAGCTC 135
Db 105 TCACCTCTCCAGTGCATGAAGAGTAAACGGGTCCAGACCCACGCGGCGCAAGTTCT 164
QY 136 TTCAAGTGAAGAGAGAGATCGAGAGGTGACCAATGACGTGAAGTGAAGTGAAGT 195
Db 165 CCGCGGAG 224
QY 196 CCGTGTGAAG 255
Db 225 CTGAGTGAAG 284
QY 256 GTTTGGGCTCTCTCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 315
Db 285 ATTGGGGTCT 344
QY 316 TCTGAAGCGGAG 375
Db 345 TCTTAAGCTGCAAAAG 404
QY 376 TGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 435
Db 405 NGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 464
QY 436 GTATC 440

Db 465 GTACC 469

RESULT 11
US-09-969-034-748
; Sequence 748, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Aslie, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poonima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 748
; LENGTH: 717
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 452, 481, 482, 505, 521, 536, 540, 594, 599, 607, 635, 641,
; LOCATION: 643, 657, 664, 673, 691, 695, 700
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-748

Query Match 32.1%; Score 250.4; DB 12; Length 717;
Best Local Similarity 75.6%; Pred. No. 3,8e-61;

Matches 323; Conservative 0; Mismatches 102; Indels 2; Gaps 1;

QY 16 CGTCCCTCCCTTCTCCAGTGCAGCCTTCTTAAAGCCGCAACACTCTCTTCTGCT 75
Db 48 CTGTCTCTCTCTCTCCAGCAGCCTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCT 107
QY 76 TGTTCCTCCCTAAGGCGGAGAGTGAAGTGAAGGTTGACACCGCGGAGAGCAGCTC 135
Db 108 TCACCTCTCCAGTGCATGAAGAGTAAACGGGTCCAGACCCACGCGGCGCAAGTTCT 167
QY 136 TTCAAGTGAAGAGAGAGAGATCGAGAGGTGACCAATGACGTGAAGTGAAGTGAAGT 195
Db 168 CCGCGGAG 227
QY 196 CCGTGTGAAG 255
Db 228 CTGAGTGAAG 287
QY 256 GTTTGGGCTCTCTCTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 315
Db 288 ATTGGGGTCT 347
QY 316 TCTGAAGCGGAG 375
Db 348 TCTTAAGCTGCAAAAG 407
QY 376 TGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 433
Db 408 TGTTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 467
QY 434 GGTATC 440
Db 468 ATGTACC 474

```

RESULT 12
US-10-085-783A-56189
; Sequence 56189, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 56189
; LENGTH: 483
; TYPE: DNA
; ORGANISM: Human
US-10-085-783A-56189

Query Match      31.0%; Score 241.6; DB 13; Length 483;
Best Local Similarity 77.5%; Pred. No. 1e-58;
Matches 338; Conservative 0; Mismatches 79; Indels 19; Gaps 3;

QY 106 CAGGGTTCAGACCCAGCGGCGAGCAAGCTCTTCAGTGAAGAGCAATCGAGGGTC 165
DB 17 CTGGGTCCAGACCCAGCGGCGGCGCAGTTCTCCGCGGGAAGAAAACCGGCGAGAGGC 76
QY 166 AGCATGAAGTGAGAGCATGAGTTAACTCTCGTGAGAGAAATTCATCTCGGCTTC 225
DB 77 AGCATGAAGTGAGATACAGAGTTAACTCTTAGTGAGAGAAATTCATCTGCTTC 136
QY 226 CAAAATGCCGATGGAGAACTGAGTGTGAGTTGGGGTCTCTCCAGACGACAGATG 285
DB 137 AAAAAATGCTGATGAGAAAGTTAACTGTAATTTGGGGTCTCTCCGATGATTAAG 196
QY 286 TGCCATCTCTTTGAACCGTTGGTGGAACTCTGAAAGCCGAAAGGAAAGATTGT 345
DB 197 TGCCAACTCTTTGAACATGTTGAGGAACTCTTAAAGCTGCAAAAGGAAAGATTGT 256
QY 346 TACGTACGAGAGAGCTGCTTTTGAAGGTTTCATGATGATGATGATGATGATGAT 405
DB 257 AACATATCCAGAGAGCTGCTTCTGCAAGGTGTCATGATGATGATGATGATGATGAT 316
QY 406 GCAAGATTAAATGTTGAGATCTGGGGGTA-----TCTGTAAACTG 450
DB 317 GCAAGATTAAATGTTGATCTTATGATGATGATGATGATGATGATGATGATGATGATGAT 376
QY 451 GAATATTAAGTTAAAGACAAACAT---GAAGTCTCTTATGATGATGATGATGATGATGAT 507
DB 377 GAAT-ATTAAGTGAAGAAACAAACATTTGAACATTAATGATTTTATAGAACTTTG 435
QY 508 TAAACAAAAGGGGACT 523
DB 436 TAAACAAAAGGAGATT 451

RESULT 13
US-10-242-535A-56189
; Sequence 56189, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A

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; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 56189
; LENGTH: 483
; TYPE: DNA
; ORGANISM: Human
US-10-242-535A-56189

Query Match      31.0%; Score 241.6; DB 16; Length 483;
Best Local Similarity 77.5%; Pred. No. 1e-58;
Matches 338; Conservative 0; Mismatches 79; Indels 19; Gaps 3;

QY 106 CAGGGTTCAGACCCAGCGGCGAGCAAGCTCTTCAGTGAAGAGCAATCGAGGGTC 165
DB 17 CTGGGTCCAGACCCAGCGGCGGCGCAGTTCTCCGCGGGAAGAAAACCGGCGAGAGGC 76
QY 166 AGCATGAAGTGAGAGCATGAGTTAACTCTCGTGAGAGAAATTCATCTCGGCTTC 225
DB 77 AGCATGAAGTGAGATACAGAGTTAACTCTTAGTGAGAGAAATTCATCTGCTTC 136
QY 226 CAAAATGCCGATGGAGAACTGAGTGTGAGTTGGGGTCTCTCCAGACGACAGATG 285
DB 137 AAAAAATGCTGATGAGAAAGTTAACTGTAATTTGGGGTCTCTCCGATGATTAAG 196
QY 286 TGCCATCTCTTTGAACCGTTGGTGGAACTCTGAAAGCCGAAAGGAAAGATTGT 345
DB 197 TGCCAACTCTTTGAACATGTTGAGGAACTCTTAAAGCTGCAAAAGGAAAGATTGT 256
QY 346 TACGTACGAGAGAGCTGCTTTTGAAGGTTTCATGATGATGATGATGATGATGATGAT 405
DB 257 AACATATCCAGAGAGCTGCTTCTGCAAGGTGTCATGATGATGATGATGATGATGAT 316
QY 406 GCAAGATTAAATGTTGAGATCTGGGGGTA-----TCTGTAAACTG 450
DB 317 GCAAGATTAAATGTTGATCTTATGATGATGATGATGATGATGATGATGATGATGATGAT 376
QY 451 GAATATTAAGTTAAAGACAAACAT---GAAGTCTCTTATGATGATGATGATGATGATGAT 507
DB 377 GAAT-ATTAAGTGAAGAAACAAACATTTGAACATTAATGATTTTATAGAACTTTG 435
QY 508 TAAACAAAAGGGGACT 523
DB 436 TAAACAAAAGGAGATT 451

RESULT 14
US-10-085-783A-21733
; Sequence 21733, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2

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; SEQ ID NO 21733
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (23)..(23)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (48)..(48)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (328)..(328)
; OTHER INFORMATION: n is a, c, g, or t
US-10-085-783A-21733

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Query Match      28.0%; Score 218.2; DB 13; Length 400;
Best Local Similarity 79.8%; Pred. No. 4.8e-52;
Matches 256; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

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QY 118 CCACGCGCGGCGAGCAGCTCTTCAGTGAAGAGAGCAATCGAGGGTCAGCAATGAACGT 177
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DB 25 CCACGCGCGCGCAGTTCTCCGCGNGAGAGAAACCGCGCAGAGGAGCAATGAATGT 84
   |||||

QY 178 GAGAGCATGAGGTTAACTCTCTGCTGAGAGAAATTCATGCTCTGGTTCCAAAATGCCGA 237
   |||||
DB 85 GATACAGAGGTTAACTCTCTGAGAGAAATTCATGCTCTGGTTCCAAAATGCTGA 144
   |||||

QY 238 TGGAAACTGAGTGAAGTTGGGGTCTCTCCAAAGCAGACAGATGCGCAATCTTT 297
   |||||
DB 145 TGGAAAGTTAAAGCGGAAATTTGGGGTCTCTCCGATGATTAATGTGCAACCTCTT 204
   |||||

QY 238 TGAAGCGTTGTTGGAACTCTGAAAGCCGCAAAACGAGAGAAATTTGATGTAAGCAGG 357
   |||||
DB 205 TGAACCATTTGAGAACTCTTAAAGCTGCAAAACGAGAGAAATTTGATGTAAGCAGG 264
   |||||

QY 358 AGAGCTGCTTTTGCAGAGTGTTCATGATGATGATGATGATGATGATGATGATGATG 417
   |||||
DB 265 AGAGCTGCTTTTGCAGAGTGTTCATGATGATGATGATGATGATGATGATGATGATG 324
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QY 418 TGGTTTGCAGATCTGGGGGTA 438
   |||||
DB 325 TGGTTTACATATCTTTATGTA 345
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RESULT 15
US-10-242-535A-21733
; Sequence 21733, Application US/10242535A
; Publication No. US2004001363A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535A
; PRIOR FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,783
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21733
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Human
; FEATURE:

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; NAME/KEY: misc_feature
; LOCATION: (23)..(23)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (48)..(48)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (328)..(328)
; OTHER INFORMATION: n is a, c, g, or t
US-10-242-535A-21733

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Query Match      28.0%; Score 218.2; DB 16; Length 400;
Best Local Similarity 79.8%; Pred. No. 4.8e-52;
Matches 256; Conservative 0; Mismatches 65; Indels 0; Gaps 0;

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QY 118 CCACGCGCGGCGAGCAGCTCTTCAGTGAAGAGAGCAATCGAGGGTCAGCAATGAACGT 177
   |||||
DB 25 CCACGCGCGCGCAGTTCTCCGCGNGAGAGAAACCGCGCAGAGGAGCAATGAATGT 84
   |||||

QY 178 GAGAGCATGAGGTTAACTCTCTGCTGAGAGAAATTCATGCTCTGGTTCCAAAATGCCGA 237
   |||||
DB 85 GATACAGAGGTTAACTCTCTGAGAGAAATTCATGCTCTGGTTCCAAAATGCTGA 144
   |||||

QY 238 TGGAAACTGAGTGAAGTTGGGGTCTCTCCAAAGCAGACAGATGCGCAATCTTT 297
   |||||
DB 145 TGGAAAGTTAAAGCGTGAATTTGGGGTCTCTCCGATGATTAATGTGCAACCTCTT 204
   |||||

QY 298 TGAAGCGTTGTTGGAACTCTGAAAGCCGCAAAACGAGAGAAATTTGATGTAAGCAGG 357
   |||||
DB 205 TGAAGCATTTGTTGGAATCTTTAAAGCTGCAAAACGAGAGAAATTTGATGTAAGCAGG 264
   |||||

QY 358 AGAGCTGCTTTTGCAGAGTGTTCATGATGATGATGATGATGATGATGATGATGATG 417
   |||||
DB 265 AGAGCTGCTTTTGCAGAGTGTTCATGATGATGATGATGATGATGATGATGATGATG 324
   |||||

QY 418 TGGTTTGCAGATCTGGGGGTA 438
   |||||
DB 325 TGGTTTACATATCTTTATGTA 345
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Job time : 559.105 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 21, 2004, 11:55:37 ; Search time 74.8607 Seconds
(without alignments)
5782.230 Million cell updates/sec

Title: US-09-648-310-1
Perfect score: 780
Sequence: 1 ggcacgagctcctcgtcc.....gtaataaaaaaatcatgt 780

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	754.8	96.8	800	4	US-09-644-460-26	Sequence 26, Appl
2	302	38.7	786	4	US-09-023-655-79	Sequence 79, Appl
3	157	20.1	177	2	US-09-032-684-20	Sequence 20, Appl
4	157	20.1	177	4	US-09-644-460-20	Sequence 20, Appl
5	49.4	6.3	219	4	US-09-621-976-17956	Sequence 17956, A
6	44	5.5	7218	1	US-08-232-463-14	Sequence 14, Appl
7	42.6	5.1	832	4	US-09-621-976-2813	Sequence 2813, Ap
8	40	5.1	611	3	US-09-385-982-376	Sequence 376, App
9	39.6	4.9	430	4	US-09-621-976-16556	Sequence 16556, A
10	38	4.9	720	1	US-08-117-083-23	Sequence 23, Appl
11	38	4.9	1500	1	US-08-117-083-67	Sequence 67, Appl
12	37	4.7	1818	4	US-09-357-206A-6	Sequence 6, Appl
13	37	4.7	5253	4	US-09-357-206A-16	Sequence 16, Appl
14	37	4.7	5483	4	US-09-357-206A-17	Sequence 17, Appl
15	37	4.7	5586	4	US-09-357-206A-19	Sequence 19, Appl
16	37	4.7	5816	4	US-09-357-206A-21	Sequence 21, Appl
17	37	4.7	6095	4	US-09-357-206A-18	Sequence 18, Appl
18	37	4.7	6325	4	US-09-357-206A-20	Sequence 20, Appl
19	37	4.7	6428	4	US-09-357-206A-22	Sequence 22, Appl
20	37	4.7	7400	1	US-08-261-663A-1	Sequence 1, Appl
21	37	4.7	7400	5	PCT-US95-07754A-1	Sequence 9, Appl
22	37	4.7	10881	4	US-09-357-206A-9	Sequence 9, Appl
23	37	4.7	12286	4	US-09-357-206A-1	Sequence 1, Appl
24	37	4.7	12286	4	US-09-813-742A-1	Sequence 1, Appl
25	37	4.7	640681	4	US-09-790-988-1	Sequence 1, Appl
26	36.8	4.7	3588	1	US-08-197-792-32	Sequence 32, Appl
27	36.8	4.7	3588	1	US-08-459-850-32	Sequence 32, Appl

C	28	36.8	4.7	3588	1	US-08-459-214-32	Sequence 32, Appl
C	29	36.4	4.7	255	4	US-09-540-236-28	GENERAL INFORMATI
C	30	36.4	4.7	2170	4	US-09-807-258-9	Sequence 9, Appl
C	31	35.6	4.6	3722	4	US-10-164-595-9	Sequence 9, Appl
C	32	35.6	4.6	3862	4	US-10-164-595-5	Sequence 5, Appl
C	33	35.6	4.6	3937	4	US-10-164-595-7	Sequence 7, Appl
C	34	35.6	4.6	3985	4	US-10-164-595-3	Sequence 3, Appl
C	35	35.4	4.5	907	1	US-08-664-596B-23	Sequence 23, Appl
C	36	35.4	4.5	907	2	US-08-739-775-1	Sequence 1, Appl
C	37	35	4.5	4880	4	US-09-402-929-5	Sequence 5, Appl
C	38	35	4.5	168575	4	US-09-426-290-1	Sequence 1, Appl
C	39	34.8	4.5	832	4	US-09-621-976-2813	Sequence 2813, Ap
C	40	34.8	4.5	640681	4	US-09-790-988-1	Sequence 1, Appl
C	41	34.6	4.4	482	4	US-09-621-976-16794	Sequence 16794, A
C	42	34.6	4.4	2850	4	US-09-549-848B-93	Sequence 93, Appl
C	43	34.4	4.4	4291	2	US-08-417-210A-81	Sequence 81, Appl
C	44	34.4	4.4	4291	4	US-09-136-159A-81	Sequence 81, Appl
C	45	34.4	4.4	5852	1	US-07-867-106-2	Sequence 2, Appl

ALIGNMENTS

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RESULT 1
US-09-644-460-26
; Sequence 26, Application US/09644460
; Patent No. 6657053
; GENERAL INFORMATION:
; APPLICANT: Fisher, Paul B.
; TITLE OF INVENTION: Reciprocal Subtraction Differential
; TITLE OF INVENTION: Display
; FILE REFERENCE: 34587-C-PCT-USA
; CURRENT FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: US/09/644, 460
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: PCT/US99/04323
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: US 09/185, 115
; PRIOR FILING DATE: 1998-02-27
; PRIOR APPLICATION NUMBER: US 09/032, 684
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 800
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-644-460-26
Query Match
Best Local Similarity 96.8%; Score 754.8; DB 4; Length 800;
Matches 778; Conservative 0; Mismatches 2; Indels 2; Gaps 2;
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QY	1	GGCAGAGCTTCCTGCTGCTCCCTTCCTTCACATGCAAGCTTTCTTTACCCGAACA	60
DB	1	GGCAGAGCTTCCTGCTGCTCCCTTCCTTCACATGCAAGCTTTCTTTACCCGAACA	60
QY	61	CTTCTCTTCTGCTGCTGCTTCCTCCCTAGGGGCGGAGCTGAGTGCAGAGTTCAGACCA	120
DB	61	CTTCTCTTCTGCTGCTGCTTCCTCCCTAGGGGCGGAGCTGAGTGCAGAGTTCAGACCA	120
QY	121	CGCGCGAGCAGCTTCCTGAGTGAAGAGAGCAATCGAGGGTTCAGCAATGAACTGGA	180
DB	121	CGCGCGAGCAGCTTCCTGAGTGAAGAGAGCAATCGAGGGTTCAGCAATGAACTGGA	180
QY	181	GCATGAGTTAACTCTCTGCTGAGAGAAATCATCTGCTGCTCAAAATGCGGATG	240
DB	181	GCATGAGTTAACTCTCTGCTGAGAGAAATCATCTGCTGCTCAAAATGCGGATG	240
QY	241	GAATGAGTGAAGTGGGCTCTTCAGACGACAGATGCAATCTTTG-	299
DB	241	GAATGAGTGAAGTGGGCTCTTCAGACGACAGATGCAATCTTTGCA	300

RESULT 2
US-09-023-655-79
Sequence 79, Application US/09023655
Patent No. 6607879
GENERAL INFORMATION:
APPLICANT: Cocks, Benjamin G.
APPLICANT: Susan G. Stuart
APPLICANT: Jeffrey J. Sellhauer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENES
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1508
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023,655
FILING DATE: HERMITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US

Query Match	38.7%;	Score 302;	DB 4;	Length 786;
Best Local Similarity	68.6%;	Pred. No. 1.4e-79;		
Matches 527;	Conservative	0;	Mismatches 215;	Indels 26;
			Gaps	7

QY 31 CCACGTGACGCGCTTCTCTTGAGCCGGAACAACATCTCTCTTCTGCTTGTCTCTCCCTAGAG 90
 Db 1 CCAACGCGGTCTTCTCTTGTGCTCAGCACTCTCTCTTCTGCTCTCACTCCCAAGT 60
 QY 91 CGCGAAAGCTGAGTGCAGGGTTCCAGACCCACGCGGCGAGCAGCTCTCAGTGAAGAAGA 150
 Db 61 CACTGAAGAAGGTAAACCGGGTCCAGACCCACGCGGGGCGCAAGTCTCCGGCGGGAAGAAA 120
 QY 151 AGCAATGGAAGGCGTCAAGCAATGAACTGTGAAGCATAGGTAACTCTCTGTGTGAGAAAT 210
 Db 121 ACCCGCAGAGAGGCGCAATGATGTGATCACAGAGTTAACTCTTAAAGTGAAGAAAT 180
 QY 211 TCATCGTCTGGGTTCCAAAAATGCCATGGGAACTGAG--TGTAAGTTTGGGGTCTC 268
 Db 181 TCATCGTTGGGTTCAAAAATGCTATGGAAGAATTAAAGCGTGAAATTTTGGGTCCTC 240
 QY 269 TTCCAACACACAGATGTGCAATCTCTTTGAAGCTGTGTGGGAATCTGAAGCCGC- 327
 Db 241 TTCGTGATATTAAGTGCACCTCTTGAAGATTGTGAGAACTCTTAAAGCTGCA 300
 QY 328 AAAACGAGGAAAGATTGTACGTACGACGAGAGAGCGCTTTGCAAGGTTCATGATGA 367
 Db 301 AAAACGAGGAAAGATTGTAAATATCAGAGAGCGCTTTGCAAGGTTCATGATGA 360
 QY 368 TCGTGAATGTATTTGCTGCAAGATTAATGTGTTGCAATCTGGGGGTA----- 438
 Db 361 TGTGACATTATATTACTGCAAGATTAAATGTGTTTACATATCTTATATGACTGCCATT 420
 QY 439 -----TCTGTAACTGGAATATTTAATGTTAAAGCAAAAT--GAAGTTCCTATG 489
 Db 421 TTGTGTTCTGTAACTGGAAAT-ATTAAGTGAAGAAACAATTTGAACATTAATG 479
 QY 490 TATTTTATATGACCTTTGTAAACAAAGGGA--CTTGTGAGAAGTCTGTGTTTATAC 547
 Db 480 TATTTTATATGAACCTTTGTAAACGAAGAGATTCATGCTTTTGAAGCTGCTCTTTT 539
 QY 548 CTTGAGCAAAACATTACATGTAATAAATAAACAACCTGTATTTTTTTTTTCTTAAG 607
 Db 540 ATATCTTTGAAGAAATCTATGTATGATGCTATTAATAAATAATCTATATTTTTCAGG 599
 QY 608 AAGTATATGCGAGACGTGAGCAATPAATATGTTTCAAGGTGCGAAAAAGCTTTGTTT 667
 Db 600 AATCTGTATGGAATTCAGCGCAATGAATTTTTTGGGGGCGAGGATGGAAATGTTGT 659
 QY 668 TCTTAAACATTTCTAGTCT--CTGCGCACTGTACACTCGTCAAAAGTGAAGAGGAC 725
 Db 660 TCAATATATATTTAGACATTTCTATAGATATTTGACATCTTCGGAAAGCAACAGCAAC 719
 QY 726 TAAAGCCAACCTCGCGTGAATAATTTATGTTTATGTAATPAAAAAA 773
 Db 720 TGAAGCCAACCTCATAGAAATATTTATGATATGTTTATGTAATPAAGA 767

RESULT 3
US-09-032-684-20

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; Sequence 20, Application US/09032684
; Patent No. 5882874
; GENERAL INFORMATION:
; APPLICANT: Fisher, Paul B.
; TITLE OF INVENTION: RECIPROCAL SUBTRACTION DIFFERENTIAL
; TITLE OF INVENTION: DISPLAY
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032,684
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 55551/JPW/AMG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-032-684-20

Query Match      20.1%; Score 157; DB 2; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.6e-37;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 624 GTAGGCAATATAATGTTTTCAGAGTGCGAAAAAGCTTTTGTTCCTTAACCATCTTA 683
DB 1 GTAGGCAATATAATGTTTTCAGAGTGCGAAAAAGCTTTTGTTCCTTAACCATCTTA 60
QY 684 GTCTGCGCACACTTGACACTCCGTCAAGTGGAAGCACTAAAGACCAACTGCGGTG 743
DB 61 GTCTGCGCACACTTGACACTCCGTCAAGTGGAAGCACTAAAGACCAACTGCGGTG 120
QY 744 GAAATATATATGTTTATGTAATATAAATAATCATGT 780
DB 121 GAAATATATATGTTTATGTAATATAAATAATCATGT 157

RESULT 4
US-09-644-460-20
; Sequence 20, Application US/09644460
; Patent No. 6657053
; GENERAL INFORMATION:
; APPLICANT: Fisher, Paul B.
; TITLE OF INVENTION: Reciprocal Subtraction Differential
; TITLE OF INVENTION: Display
; FILE REFERENCE: 34587-C-PCT-USA
; CURRENT APPLICATION NUMBER: US/09/644,460
; CURRENT FILING DATE: 2000-08-23/09/644,460
; PRIOR APPLICATION NUMBER: PCT/US99/04323
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: US 09/197,889
; PRIOR FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 09/185,115
; PRIOR FILING DATE: 1998-11-03
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; PRIOR APPLICATION NUMBER: US 09/032,684
; PRIOR FILING DATE: 1998-02-27
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 177
; TYPE: DNA
; ORGANISM: homo sapiens
; US-09-644-460-20

Query Match      20.1%; Score 157; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.6e-37;
Matches 157; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 624 GTAGGCAATATAATGTTTTCAGAGTGCGAAAAAGCTTTTGTTCCTTAACCATCTTA 683
DB 1 GTAGGCAATATAATGTTTTCAGAGTGCGAAAAAGCTTTTGTTCCTTAACCATCTTA 60
QY 684 GTCTGCGCACACTTGACACTCCGTCAAGTGGAAGCACTAAAGACCAACTGCGGTG 743
DB 61 GTCTGCGCACACTTGACACTCCGTCAAGTGGAAGCACTAAAGACCAACTGCGGTG 120
QY 744 GAAATATATATGTTTATGTAATATAAATAATCATGT 780
DB 121 GAAATATATATGTTTATGTAATATAAATAATCATGT 157

RESULT 5
US-09-621-976-17956
; Sequence 17956, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Meline Edwards, J.B.
; APPLICANT: Uddert, S. Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.Pm
; SEQ ID NO 17956
; LENGTH: 219
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-621-976-17956

Query Match      6.3%; Score 49.4; DB 4; Length 219;
Best Local Similarity 57.9%; Pred. No. 4.5e-05;
Matches 106; Conservative 0; Mismatches 76; Indels 1; Gaps 1;

QY 592 TTTTTCCTTATAGAGGTAATCGGAGACGTAGGCATTAATGTTTTCAGAGTGC 651
DB 2 TATTATTTTTCGAGANTCTGTTAGGAATTCAGGCAATGACATTTTTCGGGGCAG 61
QY 652 GAAAAAGCTTTGTTTCTTAACCATT-CTTAGTCTTGCCACACTGACCTCGTCA 710
DB 62 GGATGGGAATGTTGTCATTAATTAATTAAGACATTTTCTATGATATTGACATTCGCG 121
QY 711 AAGTGAGAGGAGCACTAAAGCCAACTGCGGTGGAATTTTATGTAATATAAAA 770
DB 122 AAACAACAGCAAACTGAAGCCAACTCTATGAGAAATATATGATGTTATGTAATAA 181
QY 771 AAA 773
DB 182 AGA 184

RESULT 6
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
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[illegible][illegible]

RESULT 8
US-09-385-982-376
Sequence 376, Application US/09385982
Patent No. 6262334
GENERAL INFORMATION:
APPLICANT: ENDEGE, WILSON O., ET AL.
TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
TITLE OF INVENTION: PRODUCTS: II
FILE REFERENCE: CCDAU-260XX
CURRENT APPLICATION NUMBER: US/09/385,982
CURRENT FILING DATE: 1999-08-30
EARLIER APPLICATION NUMBER: 09/328,111
EARLIER FILING DATE: 1999-06-08


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; Patent No. 5719054
; GENERAL INFORMATION:
; APPLICANT: Bournell, Michael E.
; APPLICANT: Inglis, Stephen C.
; APPLICANT: Munro, Alan J.
; TITLE OF INVENTION: Recombinant Virus Vectors Encoding Human
; TITLE OF INVENTION: Papilloma Virus Proteins
; NUMBER OF SEQUENCES: 70
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Walter H. Dreyer
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/117,083
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreyer, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-58783
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1500 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; US-08-117-083-67

Query Match          4.9%; Score 38; DB 1; Length 1500;
Best Local Similarity 49.5%; Pred. No. 0.29;
Matches 98; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

QY 351 ACGCAGAGAGCTGCTTTGCAAGGTTCATGATGATGACATTTGCTGCAAG 410
DB 743 ATGCTGTGTGCTGTGTTGAGATGGCCAGAAATCATGTATGTACTAATGTAT 802
QY 411 ATTATGTGTTTGGAGATCTGGGGGTATCTGTTAACTGGAATTAATTAAGTAAGAC 470
DB 803 CAGAGATATCTCCAGATGATGGGTCTCACATTTAAATTTAATTAATTAATTAAG 862
QY 471 AAACATGAAGTCTTATGTAATTTTATAGACCTTTGTAACAAAGGGAGCTGTGAG 530
DB 863 AACAAATATAAGGTGTGTAATCATATAGACAATTAATAATTAATTAATTAATTAAG 922
QY 531 AAGTCTGTTTATACC 548
DB 923 ATCTCTTTTAACTAAC 940

RESULT 12
US-09-357-206A-6/c
; Sequence 6, Application US/09357206A
; Patent No. 6372962
; GENERAL INFORMATION:
; APPLICANT: Dinesh-Kumar, S.
; APPLICANT: Baker, Barbara
; TITLE OF INVENTION: Pathogen Resistance in Plants using CDNA-N/Intron Constructs
; FILE REFERENCE: 042250/191805 (5830-5)
; CURRENT APPLICATION NUMBER: US/09/357,206A
; CURRENT FILING DATE: 1999-07-20

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; PRIOR APPLICATION NUMBER: US 60/093,494
; PRIOR FILING DATE: 1998-07-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 1818
; TYPE: DNA
; ORGANISM: Nicotiana glauca
; US-09-357-206A-6

Query Match          4.7%; Score 37; DB 4; Length 1818;
Best Local Similarity 50.7%; Pred. No. 0.63;
Matches 115; Conservative 0; Mismatches 110; Indels 2; Gaps 1;

QY 390 TTGACATTTGATGCTGCAAGATTAATGTTGAGATCTGGGGTATCTGTAAC 449
DB 1490 TTGATTTAGAGGGCCACACATTAATTTGCTGTAATTAATAATTTATTAATA 1431
QY 450 GGAATATTA--AGTTAAGGACAAACATGAAGTCTTATGTAATTTATAGACCTTG 507
DB 1430 TGAAATTAATCTTTAAGAACTGAATTAAGGTAATTAATTAATTAATTAATTA 1371
QY 508 TAAACAAAGGGAGCTGTTGAGAACTCCTGTTTATATCTTGAGCAAAACATTAACA 567
DB 1370 AAATTAACAAGGCTTTAATGCTGCTTTTAACTTTAATTAATTAATTAATTAAC 1311
QY 568 TGTAAATAATTAACAAACCTGTTATTTTCTTAAAGGTA 614
DB 1310 TAGACAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1264

RESULT 13
US-09-357-206A-16/c
; Sequence 16, Application US/09357206A
; Patent No. 6372962
; GENERAL INFORMATION:
; APPLICANT: Dinesh-Kumar, S.
; APPLICANT: Baker, Barbara
; TITLE OF INVENTION: Pathogen Resistance in Plants using CDNA-N/Intron Constructs
; FILE REFERENCE: 042250/191805 (5830-5)
; CURRENT APPLICATION NUMBER: US/09/357,206A
; CURRENT FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 60/093,494
; PRIOR FILING DATE: 1998-07-20
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 5253
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: CDNA-N/intron construct: E1-E2-E3-E4-E5
; US-09-357-206A-16

Query Match          4.7%; Score 37; DB 4; Length 5253;
Best Local Similarity 50.7%; Pred. No. 1.1;
Matches 115; Conservative 0; Mismatches 110; Indels 2; Gaps 1;

QY 390 TTGACATTTGATGCTGCAAGATTAATGTTGAGATCTGGGGTATCTGTAAC 449
DB 3338 TTGATTTAGAGGGCCACACATTAATTTGCTGTAATTAATAATTTATTAATA 3279
QY 450 GGAATATTA--AGTTAAGGACAAACATGAAGTCTTATGTAATTTATAGACCTTG 507
DB 3278 TGAAATTAATCTTTGTAAGAACTGAATTAAGTAAATTAATTAATTAATTAATTA 3219
QY 508 TAAACAAAGGGAGCTGTTGAGAACTCCTGTTTATATCTTGAGCAAAACATTAACA 567
DB 3218 AAATTAACAAGGCTTTAATGCTGCTTTTAACTTTAATTAATTAATTAATTAATTA 3159
QY 568 TGTAAATAATTAACAAACCTGTTATTTTCTTAAAGGTA 614
DB 3158 TAGACAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3112

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